

Datasheet for ABIN7601711  
**anti-OMP antibody (AA 43-163)**



[Go to Product page](#)

## Overview

|                      |                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                                                     |
| Target:              | OMP                                                                                                        |
| Binding Specificity: | AA 43-163                                                                                                  |
| Reactivity:          | Human, Rat, Mouse                                                                                          |
| Host:                | Rabbit                                                                                                     |
| Clonality:           | Polyclonal                                                                                                 |
| Conjugate:           | This OMP antibody is un-conjugated                                                                         |
| Application:         | ELISA, Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS),<br>Immunocytochemistry (ICC) |

## Product Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:                    | Anti-OMP Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                          |
| Immunogen:                  | E.coli-derived human OMP recombinant protein (Position: E43-L163).                                                                                                                                                                                                                                                                                                                                                                   |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                             |
| Characteristics:            | Anti-OMP Antibody Picoband® (ABIN7601711). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification:               | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                                         |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | OMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Alternative Name: | OMP ( <a href="#">OMP Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Background:       | <p>Synonyms: Importin subunit alpha-1,Karyopherin subunit alpha-2,RAG cohort protein 1,SRP1-alpha,KPNA2,RCH1, SRP1,</p> <p>Tissue Specificity: Expressed ubiquitously.</p> <p>Background: Olfactory marker protein is uniquely associated with the mature olfactory receptor neurons in many vertebrate species from fish to man. The OMP gene structure and protein sequence are highly conserved between mouse, rat and human. Results of the mouse knockout studies show that OMP-null mice are compromised in their ability to respond to odor stimuli, and that OMP represents a novel modulatory component of the odor detection/signal transduction cascade.</p> |
| Molecular Weight: | 17 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene ID:          | 4975                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| UniProt:          | <a href="#">P47874</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Buiakova, O. I., Baker, H., Scott, J. W., Farbman, A., Kream, R., Grillo, M., Franzen, L., Richman, M., Davis, L. M., Abbondanzo, S., Stewart, C. L., Margolis, F. L. Olfactory marker protein(OMP) gene deletion cause altered physiological activity of olfactory sensory neurons. Proc. Nat. Acad. Sci. 93: 9858-9863, 1996. 2. Evans, K. L., Fantes, J., Simpson, C., Arveiler, B., Muir, W., Fletcher, J., van Heyningen, V., Steel, K. P., Brown, K. A., Brown, S. D. M., St. Clair, D., Porteous, D. J. Human olfactory markerprotein maps close to tyrosinase and is a candidate gene for Usher syndrome type I. Hum. Molec. Genet. 2: 115-118, 1993. 3. Rogers, K. E., Dasgupta, P., Gubler, U., Grillo, M., Khew-Goodall, Y. S., Margolis, F. L.Molecular cloning and sequencing of a cDNA for olfactory marker protein. Proc. Nat. Acad. Sci. 84: 1704-1708, 1987.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Handling

|         |             |
|---------|-------------|
| Format: | Lyophilized |
|---------|-------------|

## Handling

---

|                  |                                                                                                                                                                                                      |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution:  | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.                                                                                                                            |
| Concentration:   | 500 µg/mL                                                                                                                                                                                            |
| Buffer:          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                            |
| Storage:         | 4 °C, -20 °C                                                                                                                                                                                         |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |