

Datasheet for ABIN7601080  
**anti-TOE1 antibody (AA 28-501)**



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## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µg                                                                                                  |
| Target:              | TOE1                                                                                                    |
| Binding Specificity: | AA 28-501                                                                                               |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This TOE1 antibody is un-conjugated                                                                     |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS) |

## Product Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Purpose:                    | Anti-TOE1 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                              |
| Immunogen:                  | E.coli-derived human TOE1 recombinant protein (Position: E28-Q501).                                                                                                                                                                                                                                                                                                                                                       |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                  |
| Characteristics:            | Anti-TOE1 Antibody Picoband® (ABIN7601080). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. 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

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| Target:           | TOE1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternative Name: | TOE1 ( <a href="#">TOE1 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | <p>Synonyms: Interleukin-36 alpha, FIL1 epsilon, Interleukin-1 epsilon, IL-1 epsilon, Interleukin-1 family member 6, IL-1F6, IL36A, FIL1E, IL1E, IL1F6</p> <p>Tissue Specificity: Expressed in immune system and fetal brain, but not in other tissues tested or in multiple hematopoietic cell lines. Predominantly expressed in skin keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Increased in lesional psoriasis skin.</p> <p>Background: Target of EGR1 protein 1 is a protein that in humans is encoded by the TOE1 gene. Enables poly(A)-specific ribonuclease activity and snRNA binding activity. Involved in RNA phosphodiester bond hydrolysis, exonucleolytic and snRNA 3'-end processing. Located in Cajal body and cytoplasm. Implicated in pontocerebellar hypoplasia type 7.</p> |
| Molecular Weight: | 57 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene ID:          | 114034                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Application Details

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| Application Notes: | <p>Western blot, 0.1-0.25 µg/mL, Human</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. Anderson, C., Davies, J. H., Lamont, L., Foulds, N. Early pontocerebellar hypoplasia with vanishing testes: a new syndrome? Am. J. Med. Genet. 155A: 667-672, 2011. 2. Brault, L. S., Cooper, C. A., Famula, T. R., Murray, J. D., Penedo, M. C. T. Mapping of equine cerebellar abiotrophy to ECA2 and identification of a potential causative mutation affecting expression of MUTYH. Genomics 97: 121-129, 2011. 3. de Belle, I., Wu, J.-X., Sperandio, S., Mercola, D., Adamson, E. D. In vivo cloning and characterization of a new growth suppressor protein TOE1 as a target gene of Egr1. J. Biol. Chem. 278: 14306-14312, 2003.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Handling

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Format:         | Lyophilized                                                               |
| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration:  | 500 µg/mL                                                                 |

## Handling

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|                  |                                                                                                                                                                                                      |
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| 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. |