

Datasheet for ABIN7602218  
**anti-SERINC5 antibody (AA 64-394)**



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## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg  |
| Target:              | SERINC5   |
| Binding Specificity: | AA 64-394   |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This SERINC5 antibody is un-conjugated              |
| Application:         | ELISA, Western Blotting (WB), Flow Cytometry (FACS) |

## Product Details

|                             |   |
|-----------------------------|---|
| Purpose:                    | Anti-SERINC5 Antibody Picoband®   |
| Immunogen:                  | E.coli-derived human SERINC5 recombinant protein (Position: E64-H394).  |
| Isotype:                    | IgG   |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.  |
| Characteristics:            | Anti-SERINC5 Antibody Picoband® (ABIN7602218). Tested in ELISA, Flow Cytometry, 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

|                   |  |
|-------------------|--|
| Target:           | SERINC5  |
| Alternative Name: | SERINC5 ( <a href="#">SERINC5 Products</a> )   |
| Background:       | <p>Synonyms: Inorganic pyrophosphatase 2, mitochondrial, Pyrophosphatase SID6-306, Pyrophosphate phospho-hydrolase 2, PPase 2, PPA2, HSPC124</p> <p>Tissue Specificity: Detected in brain, gastric carcinoma, lung, ovary, skeletal muscle, umbilical cord blood and a cell line derived from kidney proximal tubule epithelium.</p> <p>Background: Serine incorporator 5 is a protein that in humans is encoded by the SERINC5 gene. Predicted to enable L-serine transmembrane transporter activity. Involved in defense response to virus, detection of virus, and innate immune response. Located in several cellular components, including centrosome, cytosol, and plasma membrane</p> |
| Molecular Weight: | 65 kDa   |
| Gene ID:          | 256987   |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | <p>Western blot, 0.25-0.5 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. Gross, M. B. Personal Communication. Baltimore, Md. 3/23/2012. 2. Inuzuka, M., Hayakawa, M., Ingi, T. Serinc, an activity-regulated protein family, incorporates serine into membrane lipid synthesis. J. Biol. Chem. 280: 35776-35783, 2005. 3. Rosa, A., Chande, A., Ziglio, S., De Sanctis, V., Bertorelli, R., Goh, S. L., McCauley, S. M., Nowosielska, A., Antonarakis, S. E., Luban, J., Santoni, F. A., Pizzato, M. HIV-1 Nef promotes infection by excluding SERINC5 from virion incorporation. Nature 526: 212-217, 2015.</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   |
| 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  |

## Handling

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Storage Comment: At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.