

Datasheet for ABIN7602598  
**anti-SEMA3D antibody (AA 88-697)**



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## Overview

|                      |                                       |
|----------------------|---------------------------------------|
| Quantity:            | 100 µg                                |
| Target:              | SEMA3D                                |
| Binding Specificity: | AA 88-697                             |
| Reactivity:          | Human                                 |
| Host:                | Rabbit                                |
| Clonality:           | Polyclonal                            |
| Conjugate:           | This SEMA3D antibody is un-conjugated |
| Application:         | ELISA, Western Blotting (WB)          |

## Product Details

|                             |  |
|-----------------------------|--|
| Purpose:                    | Anti-SEMA3D Antibody Picoband®   |
| Immunogen:                  | E.coli-derived human SEMA3D recombinant protein (Position: D88-H697).  |
| Isotype:                    | IgG  |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.   |
| Characteristics:            | Anti-SEMA3D Antibody Picoband® (ABIN7602598). Tested in ELISA, 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:           | SEMA3D   |
| Alternative Name: | SEMA3D ( <a href="#">SEMA3D Products</a> )   |
| Background:       | <p>Synonyms: Nck-associated protein 1,NAP 1,Membrane-associated protein HEM-2,p125Nap1,NCKAP1,HEM2, KIAA0587, NAP1,</p> <p>Tissue Specificity: Expressed in all tissues examined except peripheral blood leukocytes, with highest expression in brain, heart, and skeletal muscle.</p> <p>Background: This gene encodes a member of the semaphorin III family of secreted signaling proteins that are involved in axon guidance during neuronal development. The encoded protein contains an N-terminal Sema domain, an immunoglobulin like domain and a C-terminal basic domain. The protein encoded by this gene binds neuropilin and plays an important role in cardiovascular development.</p> |
| Molecular Weight: | 90 kDa   |
| Gene ID:          | 223117   |
| UniProt:          | <a href="#">O95025</a>   |
| Pathways:         | <a href="#">Regulation of Cell Size</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | <p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Jin, Z., Chau, M. D., Bao, Z.-Z. Sema3D, Sema3F, and Sema5A are expressed in overlapping and distinct patterns in chick embryonic heart. Dev. Dyn. 235: 163-169, 2006. 2. Liu, Y., Halloran, M. C. Central and peripheral axon branches from one neuron are guided differentially by semaphorin3D and transient axonal glycoprotein-1. J. Neurosci. 25: 10556-10563, 2005.</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 Na2HPO4.           |
| 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.