

Datasheet for ABIN1881787

**anti-SEMA7A antibody (N-Term)****1** Image**5** Publications[Go to Product page](#)

## Overview

|                      |                                       |
|----------------------|---------------------------------------|
| Quantity:            | 400 µL                                |
| Target:              | SEMA7A                                |
| Binding Specificity: | AA 178-202, N-Term                    |
| Reactivity:          | Human, Mouse                          |
| Host:                | Rabbit                                |
| Clonality:           | Polyclonal                            |
| Conjugate:           | This SEMA7A antibody is un-conjugated |
| Application:         | Western Blotting (WB)                 |

## Product Details

|               |  |
|---------------|--|
| Immunogen:    | This SEMA7A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 178-202 amino acids from the N-terminal region of human SEMA7A. |
| Isotype:      | Ig Fraction  |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification.   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | SEMA7A   |
| Alternative Name: | SEMA7A ( <a href="#">SEMA7A Products</a> )   |
| Background:       | Plays an important role in integrin-mediated signaling and functions both in regulating cell migration and immune responses. Promotes formation of focal adhesion complexes, activation of the protein kinase PTK2/FAK1 and subsequent phosphorylation of MAPK1 and MAPK3. |

## Target Details

Promotes production of proinflammatory cytokines by monocytes and macrophages. Plays an important role in modulating inflammation and T-cell-mediated immune responses. Promotes axon growth in the embryonic olfactory bulb. Promotes attachment, spreading and dendrite outgrowth in melanocytes.

Molecular Weight: 74824

NCBI Accession: [NP\\_001139501](#), [NP\\_001139502](#), [NP\\_003603](#)

UniProt: [O75326](#)

Pathways: [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of Cell Size](#)

## Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

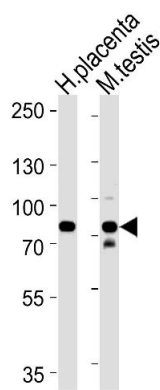
Expiry Date: 6 months

## Publications

Product cited in: Carrascal, Ovelheiro, Casas, Gay, Abian: "Phosphorylation analysis of primary human T lymphocytes using sequential IMAC and titanium oxide enrichment." in: **Journal of proteome research**, Vol. 7, Issue 12, pp. 5167-76, (2009) ([PubMed](#)).

Koulich, Li, DeMartino: "Relative structural and functional roles of multiple deubiquitylating proteins associated with mammalian 26S proteasome." in: **Molecular biology of the cell**, Vol. 19, Issue 3, pp. 1072-82, (2008) ([PubMed](#)).

Reuter, Medhurst, Waisfisz, Zhi, Herterich, Hoehn, Gross, Joenje, Hoatlin, Mathew, Huber: "Yeast two-hybrid screens imply involvement of Fanconi anemia proteins in transcription regulation, cell signaling, oxidative metabolism, and cellular transport." in: **Experimental cell research**, Vol. 289, Issue 2, pp. 211-21, (2003) ([PubMed](#)).



Western Blotting

**Image 1.** SEA Antibody (N-term) (ABIN1881787 and ABIN2838469) western blot analysis in human placenta and mouse testis tissue lysates (35 µg/lane). This demonstrates the SEA antibody detected the SEA protein (arrow).