

# Rabbit anti-Human, Pig Semaphorin 7A (SEMA7A) Polyclonal Antibody | anti-SEMA7A antibody

Polyclonal Antibody to Semaphorin 7A (SEMA7A)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                   |
|-----------|--------|------------|----------------------------------------------------------------|
| AAA132548 | Rabbit | Human, Pig | Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry |

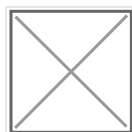
## PRODUCT SYNONYMS

Semaphorin 7A (SEMA7A); Polyclonal Antibody; Polyclonal Antibody to Semaphorin 7A (SEMA7A); anti-SEMA7A antibody

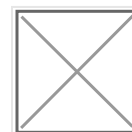
## PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reactivity                                       | Human, Pig                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity                                      | The antibody is a rabbit polyclonal antibody raised against SEMA7A. It has been selected for its ability to recognize SEMA7A in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                    |
| Purity/Purification                              | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format                                      | Supplied as solution form in PBS, pH7.4, containing 0.02% NaN <sub>3</sub> , 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                            |
| Concentration                                    | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                                         | Antigen: The target protein is fused with a C-terminal tag, His-tag and its sequence is listed below.<br>MGSS HHHHHHSSGL VPRGSHMASM TGGQQMGRGS EF-YFFREDN PDKNPEAPLN VSRVAQLCRG<br>DQGGESSLSV SKWNTFLKAM LVCSDAATNK NFNRLQDVFL LPDPSGQWRD TRVYGVFSNP WNYSAVCVYS<br>LGIDIDKVFRT SSLKGYHSSL PNP RP GKCLP DQ QPIPTETF QVADRHPEVA QRVEPMGPLK TPLFHSKYHY<br>QKVAVHRMQA SHGETFHVLY LTDRGTIHK VVEPGEQEHS FAFNIMEIQP FRRAAAIQTMLSLDAERRKLY<br>VSSQWEVSQV PLDLCEVYGG GCHGCLMSR |
| Sequence Length                                  | 652                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-SEMA7A antibody | WB (Western Blot), ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry)                                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen                                        | Recombinant SEMA7A (Tyr242~Arg507) expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cross Reactivity                                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Conjugated Antibody                              | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                          | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                         |

## IMAGES



**IHC (Immunohistochemistry)**  
DAB staining on IHC-P. Samples: Human Tissue



**WB (Western Blot)**  
Western Blot: Sample: Recombinant protein.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 225637520                                                      |
| NCBI GeneID                      | 8482                                                           |
| NCBI Accession #                 | NP_001139501.1                                                 |
| NCBI GenBank Nucleotide #        | NM_001146029.2                                                 |
| UniProt Accession #              | O75326; Q1XE81; Q1XE82; Q1XE83; Q1XE84; Q3MIY5; B4DDP7; F5H1S0 |
| Molecular Weight                 | 73,364 Da                                                      |
| NCBI Official Full Name          | semaphorin-7A isoform 2                                        |
| NCBI Official Synonym Full Names | semaphorin 7A (John Milton Hagen blood group)                  |
| NCBI Official Symbol             | SEMA7A                                                         |
| NCBI Official Synonym Symbols    | JMH; CD108; SEMAL; CDw108; SEMAK1; H-Sema-L; H-SEMA-K1         |
| NCBI Protein Information         | semaphorin-7A                                                  |
| UniProt Protein Name             | Semaphorin-7A                                                  |
| UniProt Gene Name                | <b>SEMA7A</b>                                                  |
| UniProt Synonym Gene Names       | CD108; SEMAL; Sema K1; Sema L                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/semaphorin-7a-sema7a-antibody-western-blot-immunohistochemistry-immunocytochemistry-elisa/132548>