

**Semaphorin 7A Rabbit mAb**  
Catalog # AP76706**Specification**

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**Semaphorin 7A Rabbit mAb - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">O75326</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>74824</b>

**Semaphorin 7A Rabbit mAb - Additional Information****Gene ID** 8482**Other Names**  
SEMA7A**Dilution**  
WB~~1/500-1/1000  
IHC~~1/50-1/100**Format**  
Liquid**Semaphorin 7A Rabbit mAb - Protein Information****Name** SEMA7A**Synonyms** CD108, SEMAL**Function**

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. Promotes production of pro-inflammatory 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.

**Cellular Location**

Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Note=Detected in a punctate pattern on the cell membrane of basal and supra-basal skin keratinocytes

**Tissue Location**

Detected in skin keratinocytes and on endothelial cells from skin blood vessels (at protein level). Expressed in fibroblasts, keratinocytes, melanocytes, placenta, testis, ovary, spleen, brain, spinal

chord, lung, heart, adrenal gland, lymph nodes, thymus, intestine and kidney.

### Semaphorin 7A Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Semaphorin 7A Rabbit mAb - Images



