10320 Camino Santa Fe, Suite G
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SEMA7A Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5121

Specification

SEMA7A Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O75326
Other Accession	Q9QUR8
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=75;M=75 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**Human**

SEMA7A Antibody (N-term) - Additional Information

Gene ID 8482

Antigen Region
178-202

Other Names
SEMA7A;CD108; SEMAL; Semaphorin-7A; Semaphorin-7A; CDw108; Semaphorin-7A; JMH blood group antigen; Semaphorin-7A; John-Milton-Hargen human blood group Ag; Semaphorin-7A; Semaphorin-K1; Semaphorin-7A; Semaphorin-L; Semaphorin-7A; CD_antigen=CD108; Flags: Precursor

Dilution
WB~~1:1000

Target/Specificity
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.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SEMA7A Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SEMA7A Antibody (N-term) - Protein Information

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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

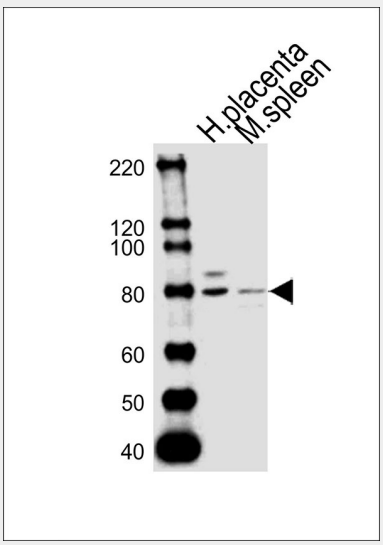
Tissue Location
Detected in skin keratinocytes and on endothelial cells from skin blood vessels (at protein level). Expressed in fibroblasts, keratinocytes, melanocytes, placenta, testis, ovary, spleen, brain, spinal cord, lung, heart, adrenal gland, lymph nodes, thymus, intestine and kidney.

SEMA7A Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SEMA7A Antibody (N-term) - Images



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Western blot analysis of lysates from human placenta,mouse spleen tissue lysate (from left to right), using SEMA7A Antibody (N-term)(Cat. #AW5121). AW5121 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

SEMA7A Antibody (N-term) - 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. 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.

SEMA7A Antibody (N-term) - References

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