

CD108 Polyclonal Antibody

Catalog # AP68900

Product Information

Application WB Primary Accession 075326

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW74824

Additional Information

Gene ID 8482

Other Names SEMA7A; CD108; SEMAL; Semaphorin-7A; CDw108; JMH blood group antigen;

John-Milton-Hargen human blood group Ag; Semaphorin-K1; Sema K1;

Semaphorin-L; Sema L; CD antigen CD108

Dilution WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other

applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

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

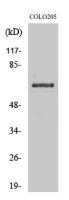
Tissue Location Detected in skin keratinocytes and on endothelial cells from skin blood

vessels (at protein level). Expressed in fibroblasts, keratinocytes, melanocytes, placenta, testis, ovary, spleen, brain, spinal cord, lung, heart, adrenal gland, lymph nodes, thymus, intestine and kidney.

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.

Images



Western Blot analysis of various cells using CD108 Polyclonal Antibody

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