

Anti-CD108 Antibody
Rabbit polyclonal antibody to CD108
Catalog # AP61244**Specification**

Anti-CD108 Antibody - Product Information

Application	WB, IHC
Primary Accession	O75326
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74824

Anti-CD108 Antibody - Additional Information**Gene ID** 8482**Other Names**

CD108; SEMAL; Semaphorin-7A; CDw108; JMH blood group antigen; John-Milton-Hargen human blood group Ag; Semaphorin-K1; Sema K1; Semaphorin-L; Sema L; CD108

Target/Specificity

Recognizes endogenous levels of CD108 protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CD108 Antibody - 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

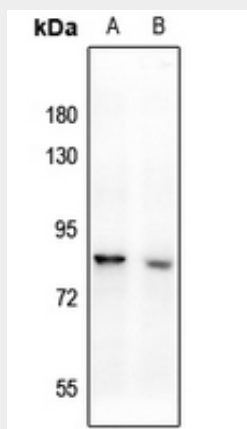
Detected in skin keratinocytes and on endothelial cells from skin blood vessels (at protein level). Expressed in fibroblasts, keratinocytes, melanocytes, placenta, testis, ovary, spleen, brain, spinal cord, lung, heart, adrenal gland, lymph nodes, thymus, intestine and kidney.

Anti-CD108 Antibody - Protocols

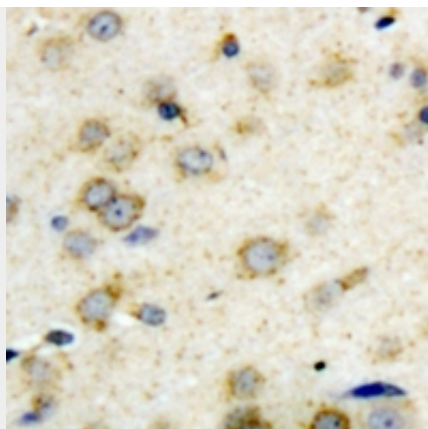
Provided below are standard protocols that you may find useful for product applications.

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

Anti-CD108 Antibody - Images



Western blot analysis of CD108 expression in A375 (A), SKOV3 (B) whole cell lysates.



Immunohistochemical analysis of CD108 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-CD108 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD108. The exact sequence is proprietary.