

CD109 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10639a**Specification**

CD109 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q6YHK3
Other Accession	NP_001153059.1 , NP_001153060.1 , NP_598000.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	161689
Antigen Region	82-109

CD109 Antibody (N-term) - Additional Information**Gene ID** 135228**Other Names**

CD109 antigen, 150 kDa TGF-beta-1-binding protein, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7, Platelet-specific Gov antigen, p180, r150, CD109, CD109, CPAMD7

Target/Specificity

This CD109 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-109 amino acids from the N-terminal region of human CD109.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

CD109 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CD109 Antibody (N-term) - Protein Information**Name** CD109

Synonyms CPAMD7

Function Modulates negatively TGFB1 signaling in keratinocytes.

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor

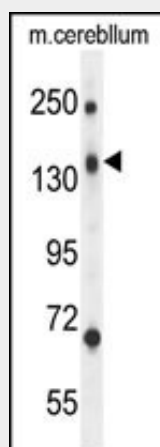
Tissue Location

Widely expressed with high level in uterus, aorta, heart, lung, trachea, placenta and in fetal heart, kidney, liver, spleen and lung. Expressed by CD34(+) acute myeloid leukemia cell lines, T-cell lines, activated T-lymphoblasts, endothelial cells and activated platelets. Isoform 4 is expressed in placenta. Isoform 1 is expressed in keratinocytes and placenta.

CD109 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 Cytometry](#)
- [Cell Culture](#)

CD109 Antibody (N-term) - Images

CD109 Antibody (N-term) (Cat. #AP10639a) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the CD109 antibody detected the CD109 protein (arrow).

CD109 Antibody (N-term) - Background

CD109 is a member of the alpha2-macroglobulin/complement superfamily. The encoded GPI-linked glycoprotein is found on the cell surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signaling of transforming growth factor beta (TGF-beta).

CD109 Antibody (N-term) - References

Nie, Y.M., et al. Transfus Med 20(6):376-382(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Hagiwara, S., et al. Oncogene 29(15):2181-2191(2010)
Bhatti, F.A., et al. Transfus Med 20(2):78-87(2010)
Raychaudhuri, S., et al. Nat. Genet. 41(12):1313-1318(2009)