

CD39 Polyclonal Antibody
Catalog # AP73769**Specification**

CD39 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	P49961
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

CD39 Polyclonal Antibody - Additional Information**Gene ID** 953**Other Names**

ENTPD1; CD39; Ectonucleoside triphosphate diphosphohydrolase 1; NTPDase 1; Ecto-ATP diphosphohydrolase 1; Ecto-ATPDase 1; Ecto-ATPase 1; Ecto-apyrase; Lymphoid cell activation antigen; CD39

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. 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

CD39 Polyclonal Antibody - Protein Information**Name** ENTDP1 ([HGNC:3363](#))**Function**

Catalyzes the hydrolysis of both di- and triphosphate nucleotides (NDPs and NTPs) and hydrolyze NTPs to nucleotide monophosphates (NMPs) in two distinct successive phosphate-releasing steps, with NDPs as intermediates and participates in the regulation of extracellular levels of nucleotides (Probable) (PubMed:<[a href="http://www.uniprot.org/citations/8529670" target="_blank">8529670a href="http://www.uniprot.org/citations/8626624" target="_blank">8626624a href="http://www.uniprot.org/citations/8955160" target="_blank">8955160a href="http://www.uniprot.org/citations/8996251" target="_blank">8996251a href="http://www.uniprot.org/citations/8955160" target="_blank">8955160a href="http://www.uniprot.org/citations/8996251" target="_blank">8996251](http://www.uniprot.org/citations/8529670)

Cellular Location

Membrane; Multi-pass membrane protein. Membrane, caveola

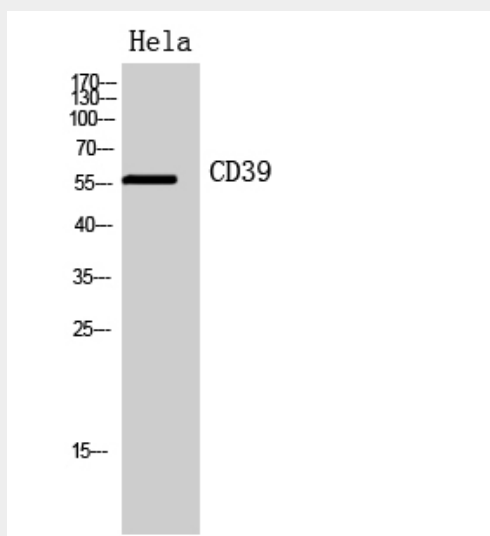
Tissue Location

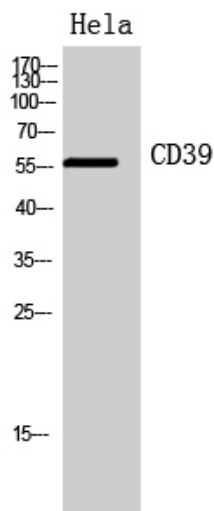
Expressed primarily on activated lymphoid cells (PubMed:7930580). Also expressed in endothelial tissues (PubMed:8955160). Highly expressed in placenta, lung, skeletal muscle, kidney (PubMed:8955160).

CD39 Polyclonal 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](#)

CD39 Polyclonal Antibody - Images



CD39 Polyclonal Antibody - Background

In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation by hydrolyzing platelet-activating ADP to AMP. Hydrolyzes ATP and ADP equally well.