

CD39 Antibody
Rabbit mAb
Catalog # AP91374**Specification****CD39 Antibody - Product Information**

Application	WB
Primary Accession	P49961
Reactivity	Rat
Clonality	Monoclonal

Other Names

ATPDase; CD39; Ecto apyrase; Ecto ATP diphosphohydrolas; Ecto-apyrase; Ecto-ATPDase 1; ENTPD1; Lymphoid cell activation antigen; NTPDase1; SPG64;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57965 Da

CD39 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CD39
Description	In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation. Hydrolyzes ATP and ADP equally well.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

CD39 Antibody - Protein Information

Name ENTPD1 ([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: [8529670](http://www.uniprot.org/citations/8529670) target="_blank">8529670, PubMed: [8626624](http://www.uniprot.org/citations/8626624) target="_blank">8626624, PubMed: [8955160](http://www.uniprot.org/citations/8955160) target="_blank">8955160, PubMed: [8996251](http://www.uniprot.org/citations/8996251) target="_blank">8996251). By hydrolyzing proinflammatory ATP and platelet-activating ADP to AMP, it blocks platelet aggregation and supports blood flow (PubMed: <a

[8955160](http://www.uniprot.org/citations/8955160), PubMed: [8996251](http://www.uniprot.org/citations/8996251)).

Cellular Location

Membrane; Multi-pass membrane protein. Membrane, caveola

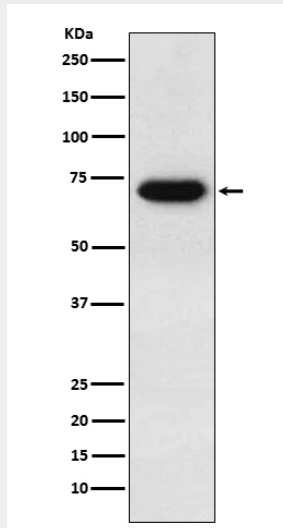
Tissue Location

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 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 Antibody - Images

Western blot analysis of CD39 expression in human placenta lysate.