

# CD39 Antibody

Rabbit mAb

Catalog # AP91374

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P49961</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	ATPDase; CD39; Ecto apyrase; Ecto ATP diphosphohydrolas; Ecto-apyrase; Ecto-ATPDase 1; ENTPD1; Lymphoid cell activation antigen; NTPDase1; SPG64;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	57965

## Additional Information

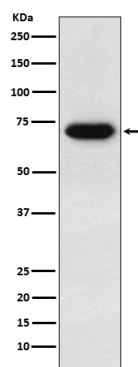
<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human CD39
<b>Description</b>	In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation. Hydrolyzes ATP and ADP equally well.
<b>Storage Condition and Buffer</b>	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.

## Protein Information

<b>Name</b>	ENTPD1 ( <a href="#">HGNC:3363</a> )
<b>Function</b>	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="#">8529670</a> , PubMed: <a href="#">8626624</a> , PubMed: <a href="#">8955160</a> , PubMed: <a href="#">8996251</a> ). By hydrolyzing proinflammatory ATP and platelet-activating ADP to AMP, it blocks platelet aggregation and supports blood flow (PubMed: <a href="#">8955160</a> , PubMed: <a href="#">8996251</a> ).
<b>Cellular Location</b>	Membrane; Multi-pass membrane protein. Membrane, caveola
<b>Tissue Location</b>	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).

## Images

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Western blot analysis of CD39 expression in human placenta lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.