

CD39 Polyclonal Antibody

Catalog # AP73769

Product Information

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|-------------------|------------------------|
| Application | WB |
| Primary Accession | P49961 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 57965 |

Additional Information

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|--------------------|---|
| 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 |

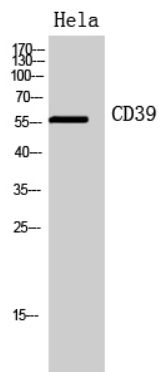
Protein Information

| | |
|-------------------|--|
| 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 , PubMed: 8626624 , PubMed: 8955160 , PubMed: 8996251). By hydrolyzing proinflammatory ATP and platelet-activating ADP to AMP, it blocks platelet aggregation and supports blood flow (PubMed: 8955160 , PubMed: 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). |

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.

Images



Western Blot analysis of HeLa cells using CD39 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

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