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CD39 (2I13) Rabbit Monoclonal Antibody

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Catalog # AP93799

Product Information

Application	WB
Primary Accession	P97687
Reactivity	Mouse, Rat
Clonality	Monoclonal
Calculated MW	57408

Additional Information

Other Names	Ectonucleoside triphosphate diphosphohydrolase 1, 3.6.1.5, ATP diphosphohydrolase, Nucleoside triphosphate diphosphohydrolase 1, NTPDase1, CD39, Entpd1 {ECO:0000312|RGD:69265}
Dilution	WB~~1:1000
Storage Conditions	-20℃

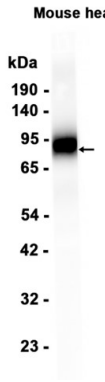
Protein Information

Name	Entpd1 {ECO:0000312|RGD:69265}
Function	Catalyzes the hydrolysis of nucleoside triphosphates (NTPs) and diphosphates (NDPs) (PubMed:22100451, PubMed:9221928, PubMed:9364474). The enzyme sequentially removes phosphate groups in two successive steps, converting NTPs to nucleoside monophosphates (NMPs) via NDP intermediates (PubMed:22100451, PubMed:9221928, PubMed:9364474). This activity contributes to the regulation of extracellular levels of nucleotides (PubMed:22100451, PubMed:9221928, PubMed:9364474). By hydrolyzing proinflammatory ATP and platelet-activating ADP to AMP, it blocks platelet aggregation and supports blood flow (By similarity).
Cellular Location	Membrane {ECO:0000250|UniProtKB:P49961}; Multi- pass membrane protein {ECO:0000250|UniProtKB:P49961}. Membrane, caveola {ECO:0000250|UniProtKB:P49961}
Tissue Location	Expressed in primary neurons and astrocytes, kidney, liver, muscle, thymus, lung and spleen

Background

In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission

Images



Western blot analysis of extracts from Mouse heart tissue using AP93799 at 1:1000.

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