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# CD39 (2I13) Rabbit Monoclonal Antibody

CD39 (2I13) Rabbit Monoclonal Antibody
Catalog # AP93799

## Product Information

| | |
|---|---|
| **Application** | WB |
| **Primary Accession** | P97687 |
| **Reactivity** | Rat, Mouse |
| **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

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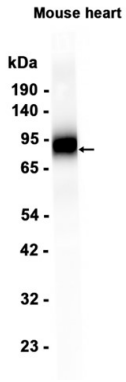
|---|---|
| **Name** | Entpd1 {ECO:0000312\|RGD:69265} |
| **Function** | Catalyzes the hydrolysis of both di- and triphosphate nucleotides (NDPs and NTPs) and hydrolyze NTPs to nucleotide monophosphates (NMPs) in two distinct successive phosphate-releasing steps, with NDPs as intermediates and participates in the regulation of extracellular levels of nucleotides (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.