

# CD39 (2I13) Rabbit Monoclonal Antibody

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Catalog # AP93799

## Product Information

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|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">P97687</a> |
| Reactivity        | Mouse, Rat             |
| Clonality         | Monoclonal             |
| Calculated MW     | 57408                  |

## Additional Information

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| 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°C                                                                                                                                                                             |

## Protein Information

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| Name              | Entpd1 {ECO:0000312   RGD:69265}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Function          | Catalyzes the hydrolysis of nucleoside triphosphates (NTPs) and diphosphates (NDPs) (PubMed: <a href="#">22100451</a> , PubMed: <a href="#">9221928</a> , PubMed: <a href="#">9364474</a> ). The enzyme sequentially removes phosphate groups in two successive steps, converting NTPs to nucleoside monophosphates (NMPs) via NDP intermediates (PubMed: <a href="#">22100451</a> , PubMed: <a href="#">9221928</a> , PubMed: <a href="#">9364474</a> ). This activity contributes to the regulation of extracellular levels of nucleotides (PubMed: <a href="#">22100451</a> , PubMed: <a href="#">9221928</a> , PubMed: <a href="#">9364474</a> ). 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

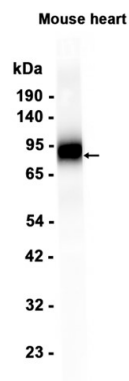
## Background

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

## Images

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

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