

Product datasheet for **AP21170PU-S**

CD39 (ENTPD1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500 - 1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of CD39 protein. (region surrounding Lys388)
Formulation:	Phosphate buffered saline (PBS), pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 58, 75 kDa
Gene Name:	ectonucleoside triphosphate diphosphohydrolase 1
Database Link:	Entrez Gene 953 Human P49961



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Background:

CD39 is also weakly expressed on granulocytes. CD39 has homology to the Nmyc family of proteins and was recently cloned. CD39 can hydrolyze both nucleoside triphosphates and diphosphates. CD39 is the dominant ecto nucleotidase of vascular and placental trophoblastic tissues and appears to modulate the functional expression of type 2 purinergic (P2) G protein coupled receptors (GPCRs). CD39 transgenic mice exhibit impaired platelet aggregation, prolonged bleeding times, and resistance to systemic thromboembolism. There is a correlation between ATP hydrolysis and triglycerides in patients with chronic heart disease, suggesting a relationship between ATP diphosphohydrolase and thrombogenesis.

Synonyms:

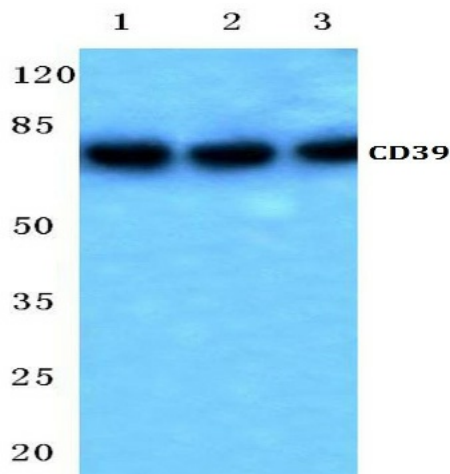
NTPDase 1, Ecto-apyrase, ATPDase

Protein Families:

Transmembrane

Protein Pathways:

Purine metabolism, Pyrimidine metabolism

Product images:

Western blot analysis of CD39 antibody Cat.-No [AP21170PU-N] in HeLa cell lysate (Lane 1), Mouse spleen tissue lysate (Lane 2) and in Rat liver tissue lysate (Lane 3).