SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ENTPD1/CD39 antibody

Catalog Number: SL15383R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ENTPD1/CD39
Immunogen:	KLH conjugated synthetic peptide derived from human CD39/entpd1 : 101-200/510 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, (predicted: Mouse, Rat, Pig, Cow, Sheep)
Predicted MW.:	58kDa
Subcellular Location:	The cell membrane
Background:	The protein encoded by this gene is a plasma membrane protein that hydrolyzes extracellular ATP and ADP to AMP. Inhibition of this protein's activity may confer anticancer benefits. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2015] **Function:** 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

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	AMP. Hydrolyzes ATP and ADP equally well. **Subunit:** Homodimer; disulfide-linked (By similarity). **Subcellular Location:** Membrane; Multi-pass membrane protein (Potential). **Tissue Specificity:** Expressed primarily on activated lymphoid cells. Also expressed in endothelial tissues. Isoform 1 and isoform 3 are present in both placenta and umbilical vein, whereas isoform 2 is present in placenta only. **Post-translational modifications:** The N-terminus is blocked. Palmitoylated in the N-terminal part. **Similarity:** Belongs to the GDA1/CD39 NTPase family. **Database links:** **Entrez Gene:** 953 Human **Entrez Gene:** 12495 Mouse **Entrez Gene:** 64519 Rat Omim: 601752 Human **SwissProt:** P49961 Human **SwissProt:** P55772 Mouse **SwissProt:** P97687 Rat **Unigene:** 576612 Human **Unigene:** 2824 Mouse **Unigene:** 17491 Rat

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