SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-ENTPD2 antibody

Catalog Number: SL11515R

FOR RESEARCH USE ONLY

[DATASHEET]

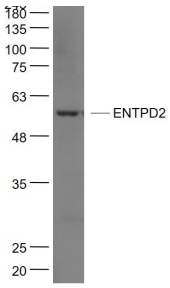
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	ENTPD2
Immunogen:	KLH conjugated synthetic peptide derived from human ENTPD2/CD39L1: 401-495/495 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat, (predicted: Human, Mouse, Chicken, Cow, Sheep)
Predicted MW.:	54kDa
Subcellular Location:	The cell membrane
Background:	CD39, also known as ectonucleoside triphosphate diphosphohydrolase 1 (ENP1), is an integral membrane glycoprotein that acts as an extracellular nucleotide-hydrolyzing enzyme. CD39 inhibits ADP-induced platelet aggregation by hydrolyzing ADP to AMP and ultimately generating adenosine. Intracellular CD39 undergoes glycosylation at 6 N-glycosylation sites and translocates to the membrane in order to be an active enzyme. CD39L1 is a 495 amino acid multi-pass membrane protein that requires calcium and magnesium cofactors to hydrolyze ATP and other nucleotides in the regulation of purigenic neurotransmission. CD39L1 is expressed in kidney, colon, heart, testis, pancreas, brain, prostate, skeletal muscle, small intestine and ovaries. There are two isoforms of CD39L1 that are produced as a result of alternative splicing events. **Function:** In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Hydrolyzes ADP only to a marginal

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	extent. **Subcellular Location:** Membrane; Multi-pass membrane protein **Tissue Specificity:** Brain, placenta, skeletal muscle, kidney, pancreas, heart, ovary, testis, colon, small intestine, prostate and pancreas. No expression in adult thymus, spleen, lung, liver and peripheral blood leukocytes. **Similarity:** Belongs to the GDA1/CD39 NTPase family. **Database links:** **Entrez Gene:** 954 Human **Entrez Gene:** 12496 Mouse **Entrez Gene:** 64467 Rat Omim: 602012 Human **SwissProt:** Q9Y5L3 Human **SwissProt:** O55026 Mouse **SwissProt:** O35795 Rat **Unigene:** 123036 Human **Unigene:** 482100 Mouse **Unigene:** 8276 Rat

[VALIDATION IMAGES]



Sample:
Cerebrum (Rat) Lysate at 40 ug
Primary: Anti- ENTPD2 (SL11515R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 54 kD
Observed band size: 54 kD

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