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Datasheet for ABIN1409618

anti-ENTPD2 antibody (AA 401-495) (HRP)

Overview

Quantity:	100 µL
Target:	ENTPD2
Binding Specificity:	AA 401-495
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENTPD2 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ENTPD2/CD39L1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Cow, Sheep, Chicken
Purification:	Purified by Protein A.

Target Details

Target:	ENTPD2
Alternative Name:	ENTPD2/CD39L1 (ENTPD2 Products)

Target Details

Background:	<p>Synonyms: CD39 antigen like 1, CD39 antigen-like 1, CD39 like1, CD39L1, CD39like1, ecto ATP diphosphohydrolase 2, ecto ATPase 2, ecto ATPDase 2, Ecto-ATP diphosphohydrolase 2, Ecto-ATPase 2, Ecto-ATPDase 2, ectoATPase 2, ectoATPDase 2, Ectonucleoside triphosphate diphosphohydrolase 2, ENTP2_HUMAN, Entpd2, NTPDase 2, NTPDase2.</p> <p>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.</p>
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Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months