

Datasheet for ABIN1385820 anti-ENTPD2 antibody (AA 401-495)



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1 Image

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Overview

Quantity:	100 µL
Target:	ENTPD2
Binding Specificity:	AA 401-495
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENTPD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

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
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Target Details

Alternative Name:	ENTPD2/CD39L1 (ENTPD2 Products)
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>

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

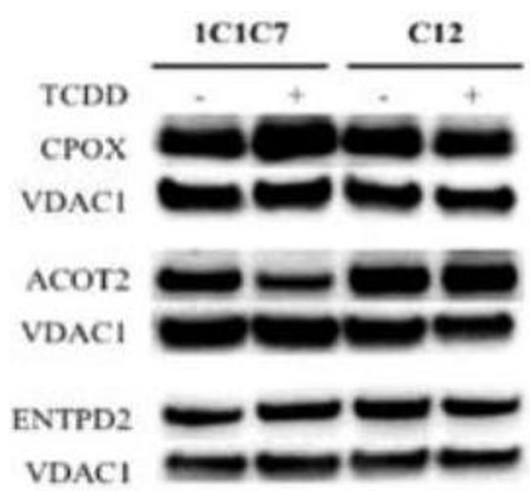
Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Hwang, Dornbos, Steidemann, Dunivin, Rizzo, LaPres: "Mitochondrial-targeted aryl hydrocarbon receptor and the impact of 2,3,7,8-tetrachlorodibenzo-p-dioxin on cellular respiration and the mitochondrial proteome." in: Toxicology and applied pharmacology , (2016) (PubMed).
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Images



Western Blotting

Image 1. Western blot analysis of differentially expressed proteins identified by SILAC in hepatoma 1c1c7 and c12 cells exposed to DMSO or TCDD Source: PMID27105554