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Datasheet for ABIN7151376
anti-ENTPD5 antibody (AA 149-428)

4 Images

Overview

Quantity:	100 µL
Target:	ENTPD5
Binding Specificity:	AA 149-428
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENTPD5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Ectonucleoside triphosphate diphosphohydrolase 5 protein (149-428AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	ENTPD5
Alternative Name:	ENTPD5 (ENTPD5 Products)
Background:	Background: Uridine diphosphatase (UDPase) that promotes protein N-glycosylation and ATP level regulation. UDP hydrolysis promotes protein N-glycosylation and folding in the

Target Details

endoplasmic reticulum, as well as elevated ATP consumption in the cytosol via an ATP hydrolysis cycle. Together with CMPK1 and AK1, constitutes an ATP hydrolysis cycle that converts ATP to AMP and results in a compensatory increase in aerobic glycolysis. The nucleotide hydrolyzing preference is GDP > IDP > UDP, but not any other nucleoside di-, mono- or triphosphates, nor thiamine pyrophosphate. Plays a key role in the AKT1-PTEN signaling pathway by promoting glycolysis in proliferating cells in response to phosphoinositide 3-kinase (PI3K) signaling.

Aliases: CD39 like 4 antibody, AI196558 antibody, AI987697 antibody, CD39 antigen like 4 antibody, CD39 antigen-like 4 antibody, CD39 like 4 antibody, CD39L4 antibody, Ectonucleoside triphosphate diphosphohydrolase 5 antibody, ENTP5_HUMAN antibody, Entpd5 antibody, ER UDPase antibody, ER-UDPase antibody, GDPase ENTPD5 antibody, Guanosine-diphosphatase ENTPD5 antibody, MGC163357 antibody, MGC163359 antibody, mNTPase antibody, NTPDase 5 antibody, Nucleoside diphosphatase antibody, PCPH antibody, Pcph proto oncogene protein antibody, Proto oncogene CPH antibody, UDPase ENTPD5 antibody, Uridine-diphosphatase ENTPD5 antibody

UniProt: [O75356](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

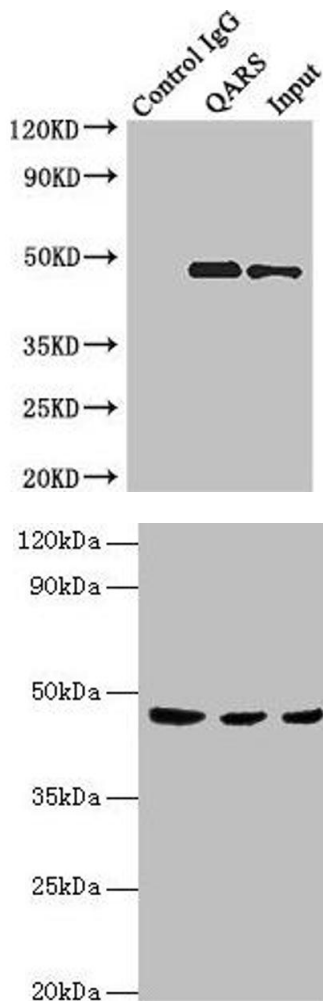
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

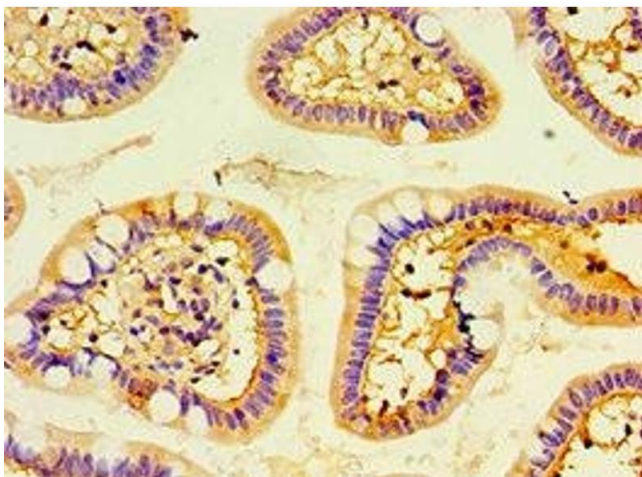


Western Blotting

Image 1. Immunoprecipitating ENTPD5 in Hela whole cell lysate Lane 1: Rabbit control IgG instead of (1 μ g) instead of ABIN7151376 in Hela whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the Secondary antibody (1/50000) Lane 2: ABIN7151376 (4 μ g) + Hela whole cell lysate (500 μ g) Lane 3: Hela whole cell lysate (20 μ g)

Western Blotting

Image 2. Western blot All lanes: ENTPD5 antibody at 4 μ g/mL Lane 1: Mouse liver tissue Lane 2: Mouse kidney tissue Lane 3: Mouse gonad tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 48 kDa Observed band size: 48 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human small intestine tissue using ABIN7151376 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7151376.