

Product Information

Size:

50ul

Reactivity:

Human, Mouse

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC, IP

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:1000-1:5000,
IHC:1:20-1:200, IP:1:200-1:2000

Protein Background:

Uridine diphosphatase (UDPase) that promotes protein N-glycosylation and ATP level regulation. UDP hydrolysis promotes protein N-glycosylation and folding in the 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.

Gene ID:

ENTPD5

Uniprot

O75356

Synonyms:

Ectonucleoside triphosphate diphosphohydrolase 5 (NTPDase 5) (EC 3.6.1.6) (CD39 antigen-like 4) (ER-UDPase) (Guanosine-diphosphatase ENTPD5) (GDPase ENTPD5) (EC 3.6.1.42) (Nucleoside diphosphatase) (Uridine-diphosphatase ENTPD5) (UDPase ENTPD5), ENTPD5, CD39L4 PCPH

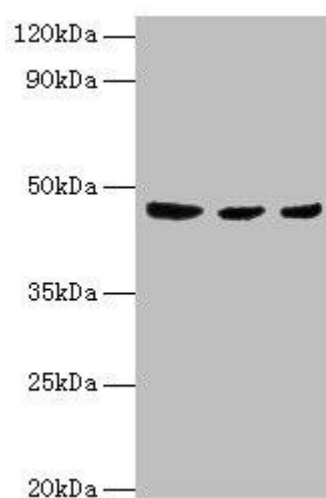
Immunogen:

Recombinant Human Ectonucleoside triphosphate diphosphohydrolase 5 protein (149-428AA).

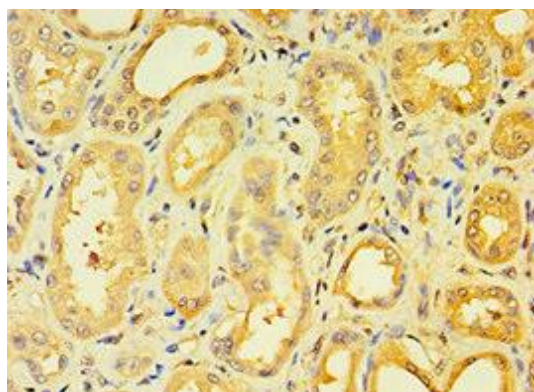
Storage:

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

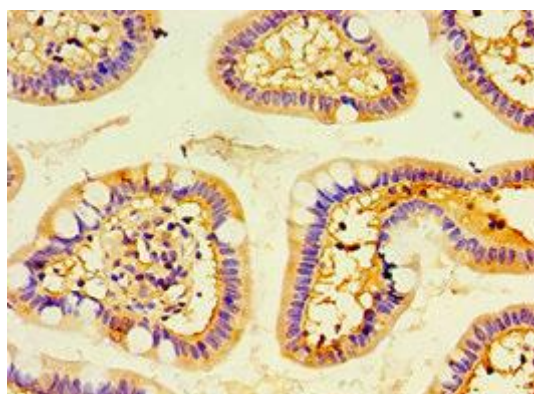
Product Images



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 of paraffin-embedded human kidney tissue using PACO43734 at dilution of 1:100.



Immunohistochemistry of paraffin-embedded human small intestine tissue using PACO43734 at dilution of 1:100.