

ENTPD3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10716b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	O75355
Other Accession	NP_001239.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28547
Calculated MW	59105
Antigen Region	496-527

Additional Information

Gene ID	956
Other Names	Ectonucleoside triphosphate diphosphohydrolase 3, NTPDase 3, CD39 antigen-like 3, Ecto-ATP diphosphohydrolase 3, Ecto-ATPDase 3, Ecto-ATPase 3, Ecto-apyrase 3, HB6, ENTPD3, CD39L3
Target/Specificity	This ENTPD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 496-527 amino acids from the C-terminal region of human ENTPD3.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ENTPD3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ENTPD3
Synonyms	CD39L3 {ECO:0000303 PubMed:9676430}

Function	Has a threefold preference for the hydrolysis of ATP over ADP.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q8BFW6}; Multi-pass membrane protein
Tissue Location	Expressed in adult brain, pancreas, spleen and prostate (PubMed:9676430). Moderate or low expression is seen in most tissues (PubMed:9676430). Not expressed in liver and peripheral blood leukocytes (PubMed:9676430).

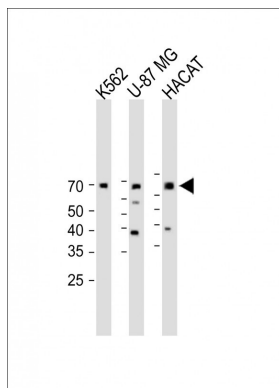
Background

ENTPD3 is similar to E-type nucleotidases (NTPases). NTPases, such as CD39, mediate catabolism of extracellular nucleotides. ENTPD3 contains 4 apyrase-conserved regions which is characteristic of NTPases.

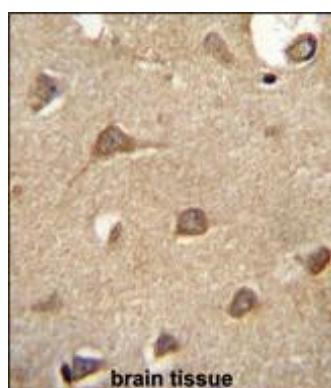
References

Fausther, M., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 298 (6), L804-L818 (2010) :
 Gaddie, K.J., et al. Biochemistry 48(40):9437-9447(2009)
 Munkonda, M.N., et al. FEBS J. 276(2):479-496(2009)
 Munkonda, M.N., et al. Biochem. Pharmacol. 74(10):1524-1534(2007)
 Ivanenkov, V.V., et al. Biochemistry 44(25):8998-9012(2005)

Images

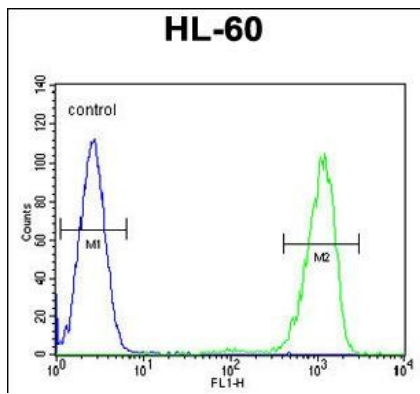


All lanes : Anti-ENTPD3 Antibody (C-term))at 1:2000 dilution Lane 1:K562 whole cell lysate Lane 2: U-87MG whole cel lysate Lane 3: HACAT whole cel lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 60kDa Blocking/Dilution buffer: 5% NFDm/TBST.



ENTPD3 antibody (C-term) (Cat. #AP10716b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ENTPD3 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ENTPD3 Antibody (C-term) (Cat. #AP10716b) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.