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ENTPD3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10716b

Specification

ENTPD3 Antibody (C-term) - 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**
Antigen Region	**496-527**

ENTPD3 Antibody (C-term) - 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~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

ENTPD3 Antibody (C-term) - 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

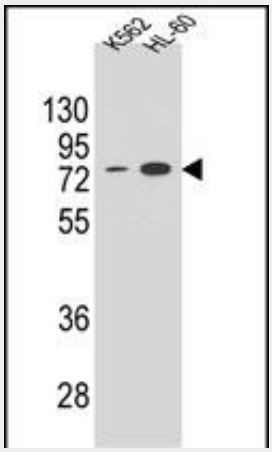
Tissue Location
Expressed in adult brain, pancreas, spleen and prostate (PubMed:9676430). Moderate or low expression is seen in most tissues (PubMed:9676430). Not expressed in liver and peripheral blood leukocytes (PubMed:9676430).

ENTPD3 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

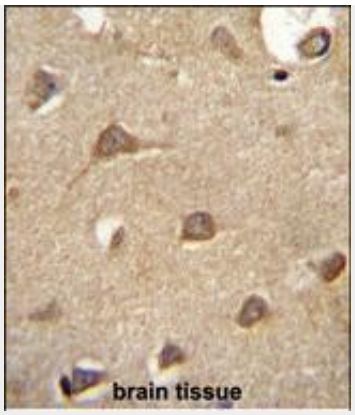
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ENTPD3 Antibody (C-term) - Images

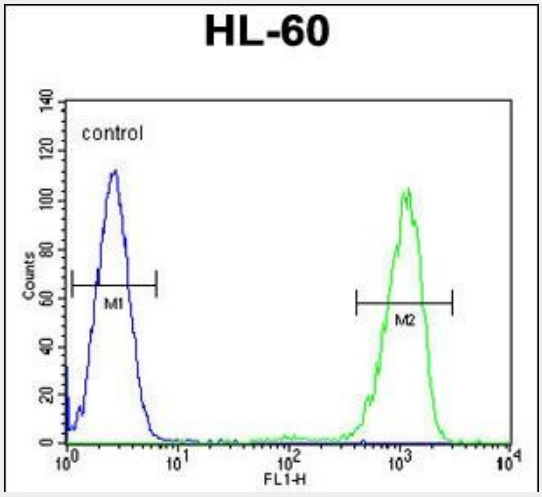


ENTPD3 Antibody (C-term) (Cat. #AP10716b) western blot analysis in K562 and HL-60 cell line lysates (35ug/lane).This demonstrates the ENTPD3 antibody detected the ENTPD3 protein (arrow).

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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 (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ENTPD3 Antibody (C-term) - 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.

ENTPD3 Antibody (C-term) - 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)