

# ENTPD3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP10716b

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">O75355</a>
<b>Other Accession</b>	<a href="#">NP_001239.2</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB28547
<b>Calculated MW</b>	59105
<b>Antigen Region</b>	496-527

## Additional Information

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<b>Gene ID</b>	956
<b>Other Names</b>	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
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	ENTPD3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ENTPD3 ( <a href="#">HGNC:3365</a> )
<b>Function</b>	Catalyzes the hydrolysis of nucleoside triphosphates (NTPs) and

diphosphates (NDPs) (PubMed:10231536, PubMed:11300774, PubMed:15966724, PubMed:9675246). The enzyme sequentially removes phosphate groups in two successive steps, converting NTPs to nucleoside monophosphates (NMPs) via NDP intermediates (PubMed:10231536, PubMed:11300774, PubMed:15966724, PubMed:9675246). This activity contributes to the regulation of extracellular levels of nucleotides (PubMed:10231536, PubMed:11300774, PubMed:15966724, PubMed:9675246). Has a preference for the hydrolysis of ATP (PubMed:10231536). Does not hydrolyzes AMP (PubMed:9675246).

## Cellular Location

Cell membrane; 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).

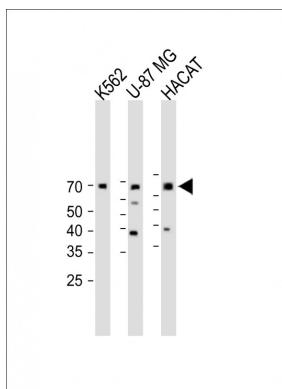
## Background

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.

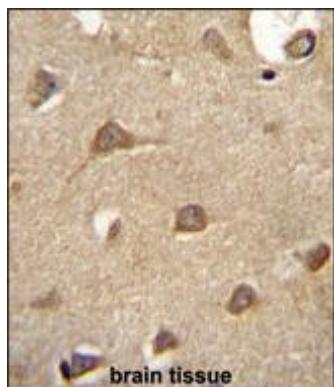
## References

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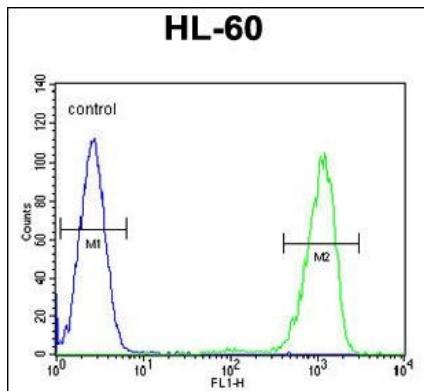
## Images



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  $\mu$ g 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'.