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ENTH Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6850c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q14677
Other Accession	Q99KN9, A7Z035
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19624
Calculated MW	68259
Antigen Region	222-249

Additional Information

Gene ID	9685
Other Names	Clathrin interactor 1, Clathrin-interacting protein localized in the trans-Golgi region, Clint, Enthoprotin, Epsin-4, Epsin-related protein, EpsinR, CLINT1, ENTH, EPN4, EPNR, KIAA0171
Target/Specificity	This ENTH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 222-249 amino acids from the Central region of human ENTH.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. 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	ENTH Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLINT1
Synonyms	ENTH, EPN4, EPNR, KIAA0171

Function	Binds to membranes enriched in phosphatidylinositol 4,5- bisphosphate (PtdIns(4,5)P2). May have a role in transport via clathrin-coated vesicles from the trans-Golgi network to endosomes. Stimulates clathrin assembly.
Cellular Location	Cytoplasm. Cytoplasm, perinuclear region. Membrane; Peripheral membrane protein. Cytoplasmic vesicle, clathrin- coated vesicle. Note=Found throughout the cell, with the exception of the cell surface. Concentrated in the perinuclear region and associated with clathrin-coated vesicles close to the trans-Golgi network
Tissue Location	Ubiquitously expressed at low to intermediate levels.

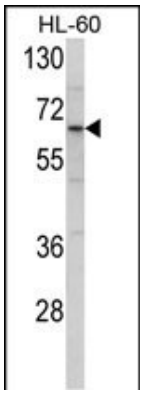
Background

ENTH binds to membranes enriched in phosphatidylinositol-4,5-biphosphate (PtdIns(4,5)P2). It May have a role in transport via clathrin-coated vesicles from the trans-Golgi network to endosomes. It stimulates clathrin assembly.

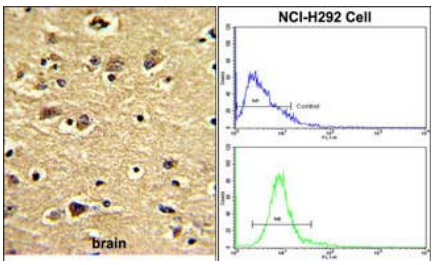
References

Richards,M., et.al., J. Neural Transm. 115 (9), 1347-1354 (2008)

Images



Western blot analysis of ENTH Antibody (Center) (Cat. #AP6850c) in HL-60 cell line lysates (35ug/lane). ENTH (arrow) was detected using the purified Pab.



(LEFT)Formalin-fixed and paraffin-embedded human brain with ENTH Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. (RIGHT)Flow cytometric analysis of NCI-H292 cells using ENTH Antibody (Center)(bottom histogram) compared to a negative control cell (top 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'.