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AFTPH Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5771b

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	Q6ULP2
Other Accession	Q80WT5, NP_001002243.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27293
Calculated MW	102113
Antigen Region	844-871

Additional Information

Gene ID	54812
Other Names	Aftiphilin, AFTPH, AFTH
Target/Specificity	This AFTPH antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 844-871 amino acids from the C-terminal region of human AFTPH.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
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	AFTPH Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AFTPH
Synonyms	AFTH

Function	Component of clathrin-coated vesicles (PubMed: 15758025). Component of the aftiphilin/p200/gamma-synergin complex, which plays roles in AP1G1/AP-1-mediated protein trafficking including the trafficking of transferrin from early to recycling endosomes, and the membrane trafficking of furin and the lysosomal enzyme cathepsin D between the trans-Golgi network (TGN) and endosomes (PubMed:15758025).
Cellular Location	Cytoplasm. Cytoplasm, perinuclear region. Cytoplasmic vesicle, clathrin-coated vesicle. Note=Co-localizes with AP1G1/AP- 1 in the cytoplasm (PubMed:14665628, PubMed:15758025). Recruited to the perinuclear region by AP1G1/AP-1 (PubMed:15758025)

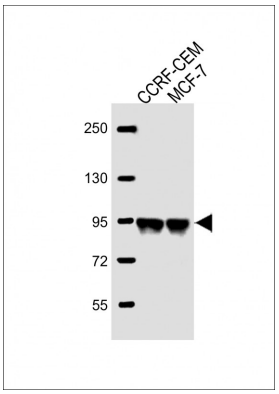
Background

AFTPH may play a role in membrane trafficking.

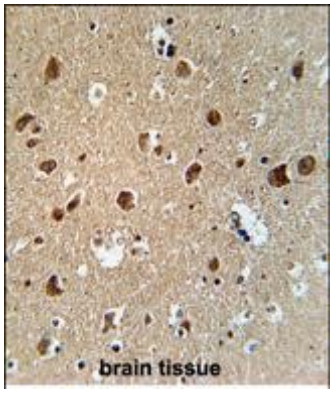
References

Lui-Roberts, W.W., et al. Mol. Biol. Cell 19(12):5072-5081(2008)
Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)
Hirst, J., et al. Mol. Biol. Cell 16(5):2554-2565(2005)
Burman, J.L., et al. FEBS Lett. 579(10):2177-2184(2005)
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)
Mattera, R., et al. J. Biol. Chem. 279(9):8018-8028(2004)

Images

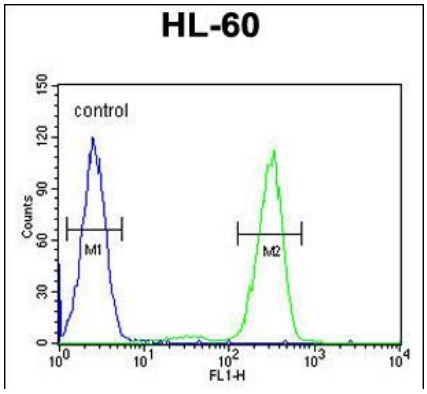


All lanes : Anti-AFTPH Antibody (C-term) at 1:2000 dilution Lane 1: CCRF-CEM whole cell lysate Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 102 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AFTPH Antibody (C-term) (Cat. #AP5771b) 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 the AFTPH Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

AFTPH Antibody (C-term) (Cat. #AP5771b) 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.