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FLOT1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18905a

Product Information

Application	WB, E
Primary Accession	O75955
Other Accession	Q9Z1E1, Q767L6, O08917, Q08DN8, NP_005794.1
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Mouse, Pig, Rat, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40153
Calculated MW	47355
Antigen Region	104-133

Additional Information

Gene ID	10211
Other Names	Flotillin-1, FLOT1
Target/Specificity	This FLOT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-133 amino acids from the N-terminal region of human FLOT1.
Dilution	WB~~1:1000 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	FLOT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FLOT1
Function	May act as a scaffolding protein within caveolar membranes, functionally participating in formation of caveolae or caveolae-like vesicles.

Cellular Location	Cell membrane; Peripheral membrane protein. Endosome Membrane, caveola {ECO:0000250|UniProtKB:O08917}; Peripheral membrane protein {ECO:0000250|UniProtKB:O08917}. Melanosome. Membrane raft. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065) Membrane-associated protein of caveola (By similarity) {ECO:0000250|UniProtKB:O08917, ECO:0000269|PubMed:17081065}

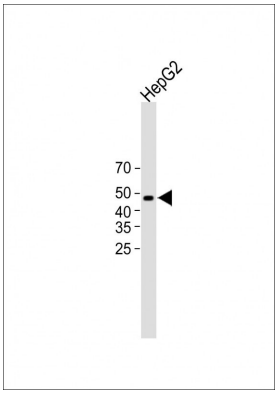
Background

Caveolae are small domains on the inner cell membrane involved in vesicular trafficking and signal transduction. FLOT1 encodes a caveolae-associated, integral membrane protein. The function of flotillin 1 has not been determined. [provided by RefSeq].

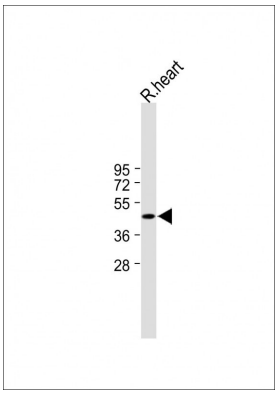
References

Lee, B.Y., et al. Mol. Cell Proteomics 9(1):32-53(2010)
Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) :
Saalik, P., et al. Bioconjug. Chem. 20(5):877-887(2009)
Rajendran, L., et al. PLoS ONE 4 (12), E8290 (2009) :
Rossy, J., et al. PLoS ONE 4 (4), E5403 (2009) :

Images

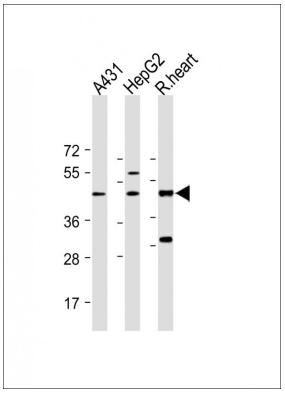


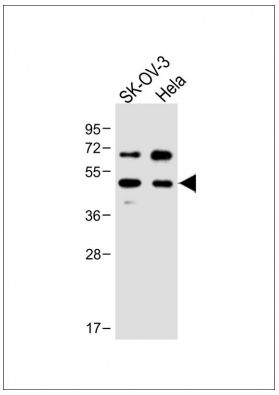
All lanes : Anti-FLOT1 Antibody (N-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 47kDa Blocking/Dilution buffer: 5% NFDM/TBST.



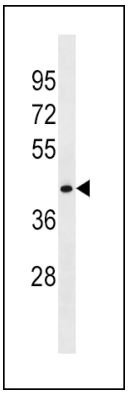
All lanes : Anti-FLOT1 Antibody (N-term) at 1:1000 dilution Lane 1: Rat heart tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 47kDa Blocking/Dilution buffer: 5% NFDM/TBST.

All lanes : Anti-FLOT1 Antibody (N-term) at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: HepG2 whole cell lysate Lane 3: R. heart whole cell 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 : 45kDa Blocking/Dilution buffer: 5% NFDM/TBST.





All lanes : Anti-FLOT1 Antibody (N-term) at 1:1000 dilution Lane 1: SK-OV-3 whole cell lysate Lane 2: Hela 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 : 47 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



FLOT1 Antibody (N-term)(Cat. #AP18905a) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the FLOT1 antibody detected the FLOT1 protein (arrow).

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