

VPS13D Rabbit pAb

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Catalog # AP54958

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q5THJ4
Reactivity	Human, Mouse
Predicted	Rat, Dog, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	491916
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human VPS13D
Epitope Specificity	1651-1750/4388
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein belonging to the vacuolar-protein-sorting-13 gene family. In yeast, vacuolar-protein-sorting-13 proteins are involved in trafficking of membrane proteins between the trans-Golgi network and the prevacuolar compartment. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode distinct isoforms. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	55187
Other Names	Intermembrane lipid transfer protein VPS13D, Vacuolar protein sorting-associated protein 13D, VPS13D {ECO:0000312 EMBL:CAE75586.1, ECO:0000312 HGNC:HGNC:23595}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

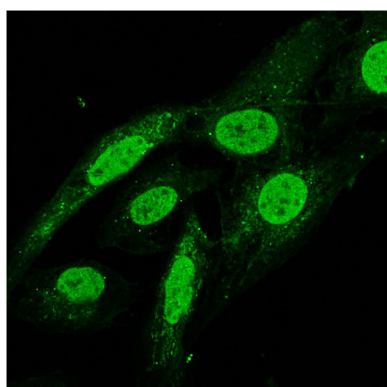
Protein Information

Name	VPS13D {ECO:0000312 EMBL:CAE75586.1, ECO:0000312 HGNC:HGNC:23595}
Function	Mediates the transfer of lipids between membranes at organelle contact sites (By similarity). Functions in promoting mitochondrial clearance by mitochondrial autophagy (mitophagy), also possibly by positively regulating mitochondrial fission (PubMed: 29307555 , PubMed: 29604224). Mitophagy plays an important role in regulating cell health and mitochondrial size and homeostasis.
Tissue Location	Widely expressed..

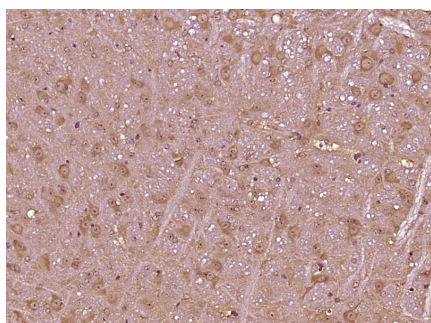
Background

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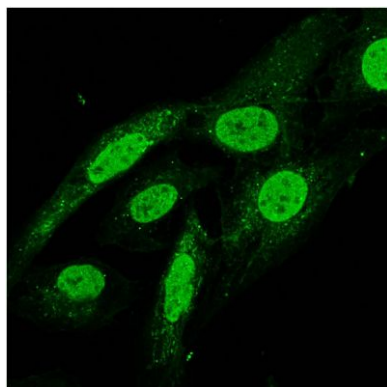
Images



Cell: U-2OS cell;
Primary Antibody: Rabbit Anti-VPS13D antibody (AP54958) at 1:100;
Secondary Antibody: Goat Anti-Rabbit IgG-FITC at 1:200.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (VPS13D) Polyclonal Antibody, Unconjugated (AP54958) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Cell: U-2OS cell; Primary Antibody: Rabbit Anti-VPS13D antibody (AP54958) at 1:100; Secondary Antibody: Goat Anti-Rabbit IgG-FITC at 1:200.