

VPS45 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16102b

Product Information

Application	WB, E
Primary Accession	Q9NRW7
Other Accession	P97390 , NP_009190.2
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34261
Calculated MW	65077
Antigen Region	461-489

Additional Information

Gene ID	11311
Other Names	Vacuolar protein sorting-associated protein 45, h-VPS45, hVps45, VPS45, VPS45A, VPS45B
Target/Specificity	This VPS45 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 461-489 amino acids from the C-terminal region of human VPS45.
Dilution	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	VPS45 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VPS45
Synonyms	VPS45A, VPS45B

Function	May play a role in vesicle-mediated protein trafficking from the Golgi stack through the trans-Golgi network.
Cellular Location	Golgi apparatus membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein Note=Associated with Golgi/endosomal vesicles and the trans-Golgi network.
Tissue Location	Ubiquitous. Expression was highest in testis, heart and brain, intermediate in kidney, spleen, prostate, ovary, small intestine and thymus and low in lung, skeletal muscle, placenta, colon, pancreas, peripheral blood leukocytes and liver

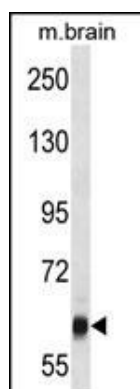
Background

Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec1 domain family, and shows a high degree of sequence similarity to mouse, rat and yeast Vps45. The exact function of this gene is not known, but its high expression in peripheral blood mononuclear cells suggests a role in trafficking proteins, including inflammatory mediators. [provided by RefSeq].

References

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de Renzis, S., et al. Nat. Cell Biol. 4(2):124-133(2002)
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Images



VPS45 Antibody (C-term) (Cat. #AP16102b) western blot analysis in mouse brain tissue lysates (35ug/lane). This demonstrates the VPS45 antibody detected the VPS45 protein (arrow).

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