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VPS45A Rabbit pAb

Catalog # AP97691

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NRW7
Other Accession	Q9NRW7
Reactivity	Mouse
Predicted	Rat, Pig, Human, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65077
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human VPS45A
Epitope Specificity	401-500/570
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the STXBP/unc-18/SEC1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2013]

Additional Information

Gene ID	11311
Other Names	VPS45A; H1; H1VPS45; SCN5; VPS45B; VPS54A; VSP45; VSP45A; mVps45; VPS45_HUMAN; VPS45; h-VPS45; hlVps45; VPS45_MOUSE; VPS45_RAT; rVps45; vacuolar protein sorting 45 homolog; vacuolar protein sorting 45A (yeast homolog); vacuolar protein sorting 45A (yeast); vacuolar protein sorting 45 homolog (S. cerevisiae)
Dilution	IHC-P=1:100-500,IHC-F=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	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

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