

For Research Use Only

VPS45 Polyclonal antibody

Catalog Number: 12006-1-AP **1 Publications**



Basic Information

Catalog Number: 12006-1-AP	GenBank Accession Number: BC012932	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 11311	Recommended Dilutions: IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NRW7	
Isotype: IgG	Full Name: vacuolar protein sorting 45 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG2658	Calculated MW: 570 aa, 65 kDa	

Applications

Tested Applications: IF/ICC, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	IHC: mouse brain tissue, human testis tissue, human heart tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF: HeLa cells, HepG2 cells

Background Information

The Sec1/Munc18 (SM) family of proteins regulate intracellular trafficking through interactions with individual SNARE (soluble N-ethylmaleimide-sensitive factor attachment protein receptor) proteins and assembled SNARE complexes. The SM protein VPS45 (Vacuolar protein sorting-associated protein 45) has a calculated molecular mass of 65 kDa and shares 38% identity with yeast Vps45 which is required for the formation of yeast endosomal SNARE complexes and is thus essential for traffic through the endosomal system. VPS45 may play a role in vesicle-mediated protein trafficking from the Golgi stack through the trans-Golgi network. (PMID: 8996080; 23166732)

Notable Publications

Author	Pubmed ID	Journal	Application
Hui Li	27040979	Gene	

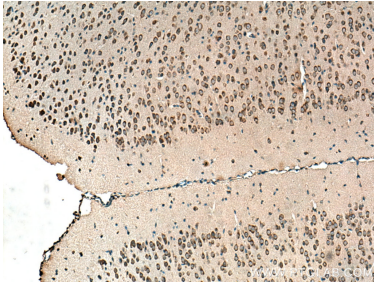
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

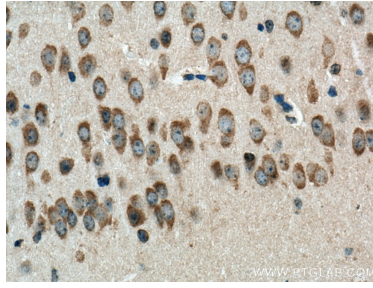
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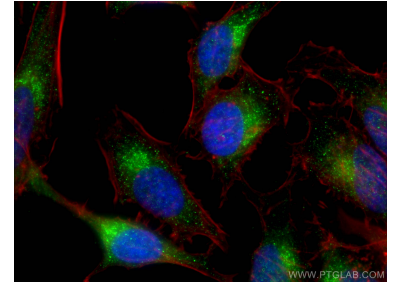
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12006-1-AP (VPS45 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12006-1-AP (VPS45 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 12006-1-AP (VPS45 antibody), at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).