

For Research Use Only

# VPS45 Polyclonal antibody

Catalog Number: 12006-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 12006-1-AP	<b>GenBank Accession Number:</b> BC012932	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11311	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NRW7	<b>IF/ICC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> vacuolar protein sorting 45 homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG2658	<b>Calculated MW:</b> 570 aa, 65 kDa	

## Applications

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

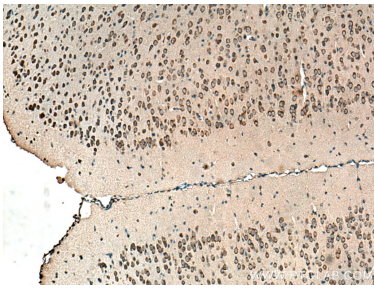
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

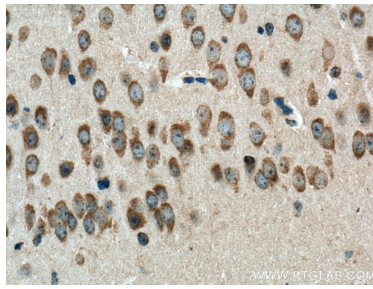
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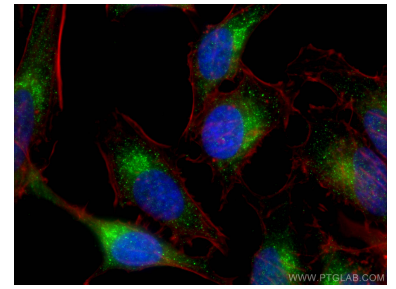
## Selected Validation Data



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 Goat Anti-Rabbit IgG(H+L).