

VPS45 Polyclonal Antibody

Catalog number: 12006-1-AP

Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

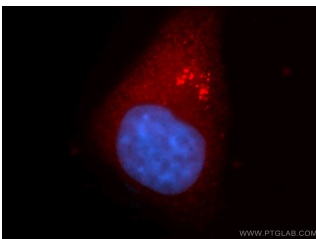
Synonyms:

VPS45; h VPS45, H1, H1VPS45,

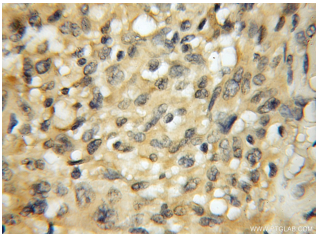
hIVps45, VPS45, VPS45A,

VPS45B, VPS54A, VSP45,

VSP45A



Immunofluorescent analysis of HepG2 cells, using VPS45 antibody 12006-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human gliomas using 12006-1-AP (VPS45 antibody) at dilution of 1:50 (under 10x lens)

Background

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)

Applications

Tested applications:	ELISA, IHC, IF
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated VPS45 MW:	570aa, 65kd
Observed VPS45 MW:	
Positive IHC detected in	Human gliomas tissue, human heart tissue, human testis tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	IHC: 1:20-1:200 IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2658
GenBank accession number:	BC012932
Gene ID (NCBI):	11311
Full name:	Vacuolar protein sorting 45 homolog (S. cerevisiae)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.