

## VPS45 Polyclonal Antibody

Catalog number: 12616-1-AP

Size: 20 µg/150 µl

Source: Rabbit

Isotype: IgG

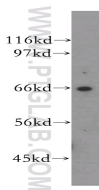
Synonyms:

VPS45; h VPS45, H1, H1VPS45,

hIVps45, VPS45, VPS45A,

VPS45B, VPS54A, VSP45,

VSP45A



human kidney tissue were subjected to SDS PAGE followed by western blot with 12616-1-AP(VPS45 antibody) at dilution of 1:500

### 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, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated VPS45 MW:	570aa, 65 kDa
Observed VPS45 MW:	65kd
Positive WB detected in	Human kidney tissue
Recommended dilution:	WB: 1:500-1:5000

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

### Immunogen information

Immunogen:	Ag3289
GenBank accession number:	BC028382
Gene ID (NCBI):	11311
Full name:	Vacuolar protein sorting 45 homolog ( <i>S. cerevisiae</i> )

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.