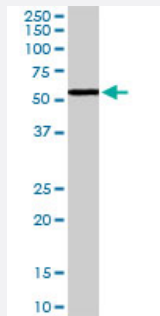


VPS45 polyclonal antibody

Catalog # PAB6824

Size 100 ug

Applications



Western Blot (Tissue lysate)

VPS45 polyclonal antibody (Cat # PAB6824) (0.03 ug/mL) staining of human placenta lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of VPS45.

Immunogen A synthetic peptide corresponding to human VPS45.

Sequence C-FQKKKPKEQQKLES

Host Goat

Theoretical MW (kDa) 65

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:32000)
 Western Blot (0.03-0.1 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — VPS45

Entrez GeneID	11311
Protein Accession#	NP_009190.2
Gene Name	VPS45
Gene Alias	H1, H1VPS45, VPS45A, VPS45B, VPS54A, VSP45, VSP45A
Gene Description	vacuolar protein sorting 45 homolog (S. cerevisiae)
Omim ID	610035
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000014482 leucocyte vacuolar protein sorting 45 vacuolar protein sorting 45A

Publication Reference

- [Rabenosyn-5, a novel Rab5 effector, is complexed with hVPS45 and recruited to endosomes through a FYVE finger domain.](#)

Nielsen E, Christoforidis S, Uttenweiler-Joseph S, Miaczynska M, Dewitte F, Wilm M, Hoflack B, Zerial M.

The Journal of Cell Biology 2000 Oct; 151(3):601.

Application: WB-Ce, Human, A431 cells

Pathway

- [Endocytosis](#)