

Goat Anti-VPS45 (C Terminus) Antibody
Peptide-affinity purified goat antibody
Catalog # AF2155a**Specification**

Goat Anti-VPS45 (C Terminus) Antibody - Product Information

Application	WB
Primary Accession	Q9NRW7
Other Accession	NP_009190 , 11311 , 22365 (mouse)
Reactivity	Human
Predicted	Mouse, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	65077

Goat Anti-VPS45 (C Terminus) Antibody - Additional Information**Gene ID** 11311**Other Names**

Vacuolar protein sorting-associated protein 45, h-VPS45, hVps45, VPS45, VPS45A, VPS45B

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-VPS45 (C Terminus) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-VPS45 (C Terminus) Antibody - Protein Information**Name** VPS45**Synonyms** VPS45A, VPS45B**Function**

May play a role in vesicle-mediated protein trafficking from the Golgi stack through the trans-Golgi network.

Cellular Location

Golgi apparatus membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein Note=Associated with Golgi/endosomal vesicles and the trans-Golgi network.

Tissue Location

Ubiquitous. Expression was highest in testis, heart and brain, intermediate in kidney, spleen, prostate, ovary, small intestine and thymus and low in lung, skeletal muscle, placenta, colon, pancreas, peripheral blood leukocytes and liver

Goat Anti-VPS45 (C Terminus) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-VPS45 (C Terminus) Antibody - Images



AF2155a (0.3 µg/ml) staining of Human Peripheral Blood Mononucleocyte lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-VPS45 (C Terminus) Antibody - Background

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.

Goat Anti-VPS45 (C Terminus) Antibody - References

Common and distinct roles for the binding partners Rabenosyn-5 and Vps45 in the regulation of endocytic trafficking in mammalian cells. Rahajeng J, et al. Exp Cell Res, 2010 Mar 10. PMID

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