

## Product datasheet for **TA302901**

### VPS45A (VPS45) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:32,000. WB: 0.3-1 µg/ml.
Reactivity:	Human (Expected from sequence similarity: Mouse, Dog, Cow)
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide with sequence C-ESSQVTSRSASRR, from the C Terminus of the protein sequence according to NP_009190.2.
Formulation:	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Concentration:	lot specific
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	vacuolar protein sorting 45 homolog
Database Link:	<a href="#">NP_009190</a> <a href="#">Entrez Gene 22365 Mouse</a> <a href="#">Entrez Gene 475833 Dog</a> <a href="#">Entrez Gene 11311 Human</a> <a href="#">Q9NRW7</a>



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**Background:**

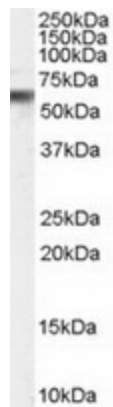
Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec1 domain family, 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. COMPLETENESS: complete on the 3' end.

**Synonyms:**

H1; H1VPS45; SCN5; VPS45A; VPS45B; VPS54A; VSP45; VSP45A

**Protein Pathways:**

Endocytosis

**Product images:**

TA302901 (0.3ug/ml) staining of Human Peripheral Blood Mononucleocyte lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.