

**Goat Anti-VPS25 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2149a****Specification**

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**Goat Anti-VPS25 Antibody - Product Information**

Application	WB, Pep-ELISA
Primary Accession	<a href="#">O9BRG1</a>
Other Accession	<a href="#">NP_115729</a> , <a href="#">84313</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	20748

**Goat Anti-VPS25 Antibody - Additional Information****Gene ID** 84313**Other Names**

Vacuolar protein-sorting-associated protein 25, hVps25, Dermal papilla-derived protein 9, ELL-associated protein of 20 kDa, ESCRT-II complex subunit VPS25, VPS25, DERP9, EAP20

**Dilution**

WB~~1:1000

Pep-ELISA~~N/A

**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-VPS25 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-VPS25 Antibody - Protein Information****Name** VPS25**Synonyms** DERP9, EAP20

**Function**

Component of the ESCRT-II complex (endosomal sorting complex required for transport II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL. The ESCRT-II complex may be involved in facilitating the budding of certain RNA viruses.

**Cellular Location**

Cytoplasm. Endosome membrane. Nucleus, nucleoplasm. Note=Distributes diffusely throughout the cytoplasm and nucleoplasm, but exhibits a punctate distribution on coexpression with CHMP6

**Tissue Location**

Expressed at the mRNA level in kidney, liver, pancreas, and placenta. Lower levels of expression are found in heart, skeletal muscle, brain and lung.

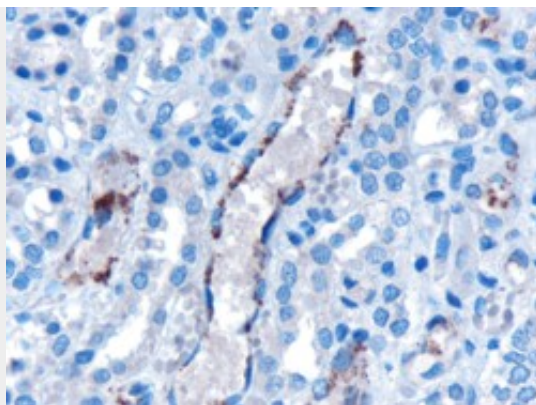
**Goat Anti-VPS25 Antibody - Protocols**

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-VPS25 Antibody - Images**

EB07071 (0.5µg/ml) staining of Rat Kidney lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07071 (10 $\mu$ g/ml) staining of paraffin embedded human kidney. Microwaved antigen retrieval with Tris/EDTA buffer pH9, HRP-staining. **This data is from a previous batch, not on sale.**

#### **Goat Anti-VPS25 Antibody - Background**

VPS25, VPS36 (MIM 610903), and SNF8 (MIM 610904) form ESCRT-II (endosomal sorting complex required for transport II), a complex involved in endocytosis of ubiquitinated membrane proteins. VPS25, VPS36, and SNF8 are also associated in a multiprotein complex with RNA polymerase II elongation factor (ELL; MIM 600284) (Slagsvold et al., 2005 [PubMed 15755741]; Kamura et al., 2001 [PubMed 11278625]).

#### **Goat Anti-VPS25 Antibody - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.  
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Structure and function of the ESCRT-II-III interface in multivesicular body biogenesis. Im YJ, et al. Dev Cell, 2009 Aug. PMID 19686684.  
Degradation of endocytosed epidermal growth factor and virally ubiquitinated major histocompatibility complex class I is independent of mammalian ESCRTII. Bowers K, et al. J Biol Chem, 2006 Feb 24. PMID 16371348.  
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