

VPS11 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2444a**Specification**

VPS11 Antibody (internal region) - Product Information

Application	IHC, E
Primary Accession	Q9H270
Other Accession	NP_068375.3 , 55823 , 71732 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	107837

VPS11 Antibody (internal region) - Additional Information**Gene ID** 55823**Other Names**

Vacuolar protein sorting-associated protein 11 homolog, hVPS11, RING finger protein 108, VPS11, RNF108

Dilution

IHC~~1:100~500

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 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

VPS11 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

VPS11 Antibody (internal region) - Protein Information**Name** VPS11**Synonyms** RNF108**Function**

Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act as a core component of the putative HOPS and CORVET endosomal tethering complexes which are proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations (PubMed:11382755, PubMed:23351085, PubMed:24554770, PubMed:25266290, PubMed:25783203). Required for fusion of endosomes and autophagosomes with lysosomes (PubMed:25783203). Involved in cargo transport from early to late endosomes and required for the transition from early to late endosomes (PubMed:21148287). Involved in the retrograde Shiga toxin transport (PubMed:23593995).

Cellular Location

Endosome. Late endosome membrane; Peripheral membrane protein; Cytoplasmic side. Lysosome membrane; Peripheral membrane protein; Cytoplasmic side. Early endosome {ECO:0000269|PubMed:21148287, ECO:0000305}. Cytoplasmic vesicle. Cytoplasmic vesicle, autophagosome. Cytoplasmic vesicle, clathrin-coated vesicle

Tissue Location

Ubiquitous. Expression was highest in heart and low in lung

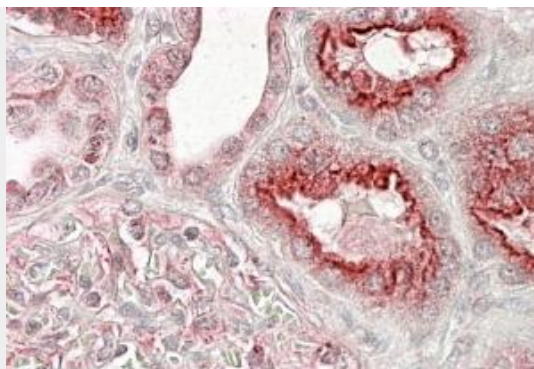
VPS11 Antibody (internal region) - Protocols

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

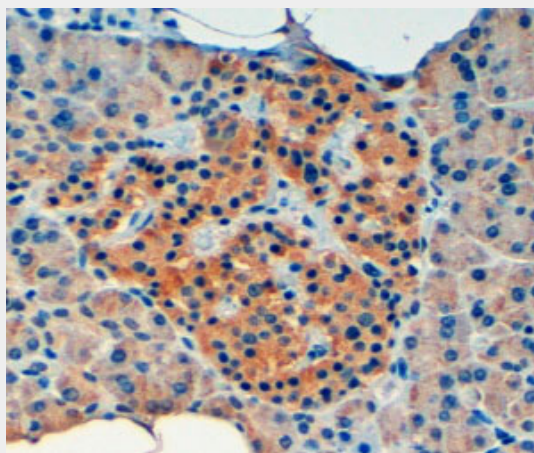
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VPS11 Antibody (internal region) - Images





AF2444a (3.8 µg/ml) staining of paraffin embedded Human Kidney-. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



AF2444a (4 µg/ml) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.

VPS11 Antibody (internal region) - References

Molecular characterization of mammalian homologues of class C Vps proteins that interact with syntaxin-7. Kim BY, Kramer H, Yamamoto A, Kominami E, Kohsaka S, Akazawa C. J Biol Chem. 2001 Aug 3;276(31):29393-402. Epub 2001 May 29. PMID: 11382755