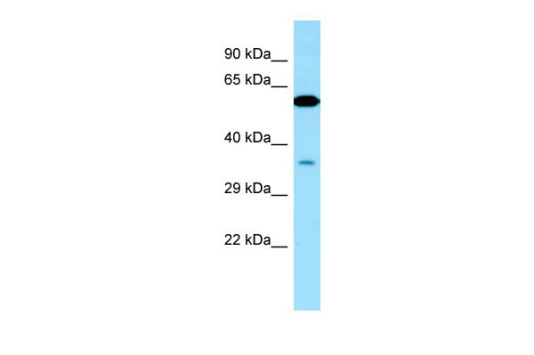
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

VPS33A Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI14769

Specification

VPS33A Antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q96AX1
Other Accession	NM_022916, NP_075067
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**67kDa KDa**



Host: Rabbit
Target Name: VPS33A
Sample Tissue: 721_B whole cell lysates
Antibody Dilution: 1.0µg/ml

VPS33A Antibody - middle region - Additional Information

Gene ID 65082

Other Names
Vacuolar protein sorting-associated protein 33A, hVPS33A, VPS33A

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-VPS33A antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
VPS33A Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

VPS33A Antibody - middle region - References

Suzuki T.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:1146-1150(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Zhu G.D.,et al.Mol. Biol. Cell 20:1223-1240(2009).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

VPS33A Antibody - middle region - Protein

Information

Name VPS33A

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:23351085, PubMed:24554770, PubMed:25266290, PubMed:25783203). Required for fusion of endosomes and autophagosomes with lysosomes; the function is dependent on its association with VPS16 but not VIPAS39 (PubMed:25783203). The function in autophagosome-lysosome fusion implicates STX17 but not UVRAG (PubMed:24554770).

Cellular Location
Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q63615}. Late endosome membrane; Peripheral membrane protein; Cytoplasmic side. Lysosome membrane; Peripheral membrane protein; Cytoplasmic side. Early endosome. Cytoplasmic vesicle,

autophagosome. Cytoplasmic vesicle, clathrin-coated vesicle

VPS33A Antibody - middle 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 Cytomety
- Cell Culture