

VPS39 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17455c**Specification**

VPS39 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O96JC1](#)**VPS39 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 23339**Other Names**

Vam6/Vps39-like protein, TRAP1-like protein, hVam6p, VPS39, KIAA0770, TLP, VAM6

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VPS39 Antibody (Center) Blocking Peptide - Protein Information**Name** VPS39 ([HGNC:20593](#))**Synonyms** KIAA0770, TLP, VAM6**Function**

Regulator of TGF-beta/activin signaling, inhibiting SMAD3- and activating SMAD2-dependent transcription. Acts by interfering with SMAD3/SMAD4 complex formation, this would lead to inhibition of SMAD3-dependent transcription and relieve SMAD3 inhibition of SMAD2-dependent promoters, thus increasing SMAD2- dependent transcription. Does not affect TGF-beta-induced SMAD2 or SMAD3 phosphorylation, nor SMAD2/SMAD4 complex formation.

Cellular Location

Cytoplasm. Lysosome membrane; Peripheral membrane protein. Late endosome membrane; Peripheral membrane protein. Note=Colocalizes with TGFBR1 and TGFBR2 in cytoplasmic vesicular structures and most prominently in cortical vesicles.

Tissue Location

Widely expressed, with highest levels in heart, skeletal muscle, kidney, pancreas, brain, placenta and spleen

VPS39 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

VPS39 Antibody (Center) Blocking Peptide - Images

VPS39 Antibody (Center) Blocking Peptide - Background

This gene encodes a protein that may promote clustering and fusion of late endosomes and lysosomes. The protein may also act as an adaptor protein that modulates the transforming growth factor-beta response by coupling the transforming growth factor-beta receptor complex to the Smad pathway. [provided by RefSeq].

VPS39 Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Peralta, E.R., et al. J. Biol. Chem. 285(22):16814-16821(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Zhu, G.D., et al. Mol. Biol. Cell 20(4):1223-1240(2009) Felici, A., et al. EMBO J. 22(17):4465-4477(2003)