

VPS39 Rabbit pAb

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Catalog # AP54964

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96JC1
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	101809
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human VPS39
Epitope Specificity	501-600/886
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Lysosome membrane. Late endosome membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Additional Information

Gene ID	23339
Other Names	Vam6/Vps39-like protein, TRAP1-like protein, hVam6p, VPS39 (HGNC:20593), KIAA0770, TLP, VAM6
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	VPS39 (HGNC:20593)
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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

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.