

VPS36 Rabbit pAb

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Catalog # AP54963

Product Information

Application	WB
Primary Accession	Q86VN1
Reactivity	Human
Predicted	Rat, Pig, Dog, Mouse, Rabbit, Zebrafish, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43817
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human VPS36
Epitope Specificity	111-210/386
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. Endosome. Late endosome. Membrane. Nucleus. Colocalizes with ubiquitinated proteins on late endosomes. Recruited to the endosome membrane to participate in vesicle formation.
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 is a subunit of the endosomal sorting complex required for transport II (ESCRT-II). This protein complex functions in sorting of ubiquitinated membrane proteins during endocytosis. A similar protein complex in rat is associated with RNA polymerase elongation factor II. [provided by RefSeq, Aug 2013]

Additional Information

Gene ID	51028
Other Names	Vacuolar protein-sorting-associated protein 36, ELL-associated protein of 45 kDa, ESCRT-II complex subunit VPS36, VPS36, C13orf9, EAP45
Dilution	WB=1:500-2000
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.

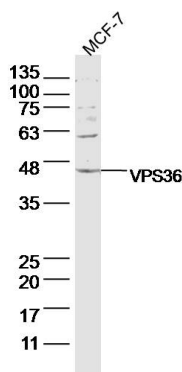
Protein Information

Name	VPS36
Synonyms	C13orf9, EAP45
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. Its ability to bind ubiquitin probably plays a role in endosomal sorting of ubiquitinated cargo proteins by ESCRT complexes. The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL. Binds phosphoinositides such as PtdIns(3,4,5)P3.
Cellular Location	Cytoplasm. Endosome. Late endosome {ECO:0000250 UniProtKB:Q91XD6}. Membrane. Nucleus Note=Colocalizes with ubiquitinated proteins on late endosomes Recruited to the endosome membrane to participate in vesicle formation {ECO:0000250 UniProtKB:Q91XD6}

Background

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Images



Sample: MCF-7 Cell (Human) Lysate at 40 ug
 Primary: Anti-VPS36 (AP54963) at 1/300 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 44 kD
 Observed band size: 44 kD

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