

Vps36 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14011

Product Information

Application	WB
Primary Accession	Q91XD6
Other Accession	NM_027338 , NP_081614
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43736

Additional Information

Gene ID	70160
Alias Symbol	1700010A24Rik, 2210415M20Rik, 2810408E15Rik, Eap45
Other Names	Vacuolar protein-sorting-associated protein 36, ESCRT-II complex subunit VPS36, Vps36
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-Vps36 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	Vps36 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Vps36
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

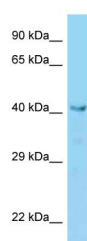
Cytoplasm. Endosome. Late endosome. Membrane Nucleus. Note=Colocalizes with ubiquitinated proteins on late endosomes. Recruited to the endosome membrane to participate in vesicle formation.

References

Carninci P.,et al.Science 309:1559-1563(2005).

Hirano S.,et al.Nat. Struct. Mol. Biol. 13:1031-1032(2006).

Images



WB Suggested Anti-Vps36 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Liver

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