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Chmp5 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15283

Product Information

Application	WB
Primary Accession	Q9D7S9
Other Accession	NM_029814, NP_084090
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24576

Additional Information

Gene ID	76959
Alias Symbol	2210412K09Rik, AW545668
Other Names	Charged multivesicular body protein 5, Chromatin-modifying protein 5, SNF7 domain-containing protein 2, Chmp5, Snf7dc2
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-Chmp5 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	Chmp5 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

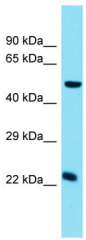
Name	Chmp5
Synonyms	Snf7dc2
Function	Probable peripherally associated component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential

	function of ESCRT-O, -I,-II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis. ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4 (By similarity).
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9NZZ3}. Endosome membrane; Peripheral membrane protein. Midbody {ECO:0000250|UniProtKB:Q9NZZ3}. Note=Localizes to the midbody of dividing cells. Localized in two distinct rings on either side of the Flemming body. {ECO:0000250|UniProtKB:Q9NZZ3}

References

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

Images



Host: Rabbit
Target Name: Chmp5
Sample Tissue: Mouse Small Intestine lysates
Antibody Dilution: 1.0µg/ml