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CHMP1B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58753

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q7LBR1
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22109

Additional Information

Gene ID	57132
Other Names	Charged multivesicular body protein 1b, CHMP1.5, Chromatin-modifying protein 1b, CHMP1b, Vacuolar protein sorting-associated protein 46-2, Vps46-2, hVps46-2, CHMP1B, C18orf2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	CHMP1B
Synonyms	C18orf2
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 and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission

	activities, possibly in conjunction with the AAA ATPase VPS4. Involved in cytokinesis. Involved in recruiting VPS4A and/or VPS4B and SPAST to the midbody of dividing cells. Involved in HIV-1 p6- and p9-dependent virus release.
Cellular Location	Cytoplasm, cytosol. Endosome. Late endosome membrane; Peripheral membrane protein Note=Localizes to the midbody of dividing cells, colocalizing with CEP55 and CHMP5. Localized at the periphery of the Fleming body
Tissue Location	Widely expressed. Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta and brain

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