

CHMP1B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58753

Specification

CHMP1B Polyclonal Antibody - Product Information

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

CHMP1B Polyclonal Antibody - 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

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<span class ="dilution_WB">WB~~1:1000</span><br \><span class
="dilution_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution_IF">IF~~1:50~200</span><br \><span class ="dilution_E">E~~N/A</span>
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Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 $^{\circ}$ 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 $^{\circ}$ C.

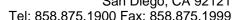
CHMP1B Polyclonal Antibody - Protein Information

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

CHMP1B Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHMP1B Polyclonal Antibody - Images