

CHMP2A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55340

Specification

CHMP2A Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E Primary Accession 043633

Reactivity
Rost
Clonality
Calculated MW
Clonality
Calculated MW

CHMP2A Polyclonal Antibody - Additional Information

Gene ID 27243

Other Names

Charged multivesicular body protein 2a, Chromatin-modifying protein 2a, CHMP2a, Putative breast adenocarcinoma marker BC-2, Vacuolar protein sorting-associated protein 2-1, Vps2-1, hVps2-1, CHMP2A, BC2, CHMP2

Format

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

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.

CHMP2A Polyclonal Antibody - Protein Information

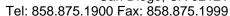
Name CHMP2A

Synonyms BC2, CHMP2

Function

Probable core 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 (PubMed:21310966/a>). Together with SPAST, the ESCRT-III complex promotes nuclear envelope sealing and mitotic spindle disassembly during late anaphase (PubMed:<a href="http://www.uniprot.org/citations/26040712"







target=" blank">26040712). Recruited to the reforming nuclear envelope (NE) during anaphase by LEMD2 (PubMed: 28242692). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4.

Cellular Location

Late endosome membrane; Peripheral membrane protein; Cytoplasmic side. Nucleus envelope. Note=Localizes to the midbody of dividing cells. Localized in two distinct rings on either side of the Fleming body. Localizes to the reforming nuclear envelope on chromatin disks during late anaphase (PubMed:28242692)

CHMP2A 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

CHMP2A Polyclonal Antibody - Images