

# CHMP2A antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14776

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">O43633</a>
<b>Other Accession</b>	<a href="#">NM_014453</a> , <a href="#">NP_055268</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Rat, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	25104

## Additional Information

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<b>Gene ID</b>	27243
<b>Alias Symbol</b>	BC-2, BC2, CHMP2, VPS2, VPS2A
<b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-CHMP2A 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.
<b>Precautions</b>	CHMP2A antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CHMP2A
<b>Synonyms</b>	BC2, CHMP2
<b>Function</b>	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](#)). Together with SPAST, the ESCRT-III complex promotes nuclear envelope sealing and mitotic spindle disassembly during late anaphase (PubMed:[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)

## References

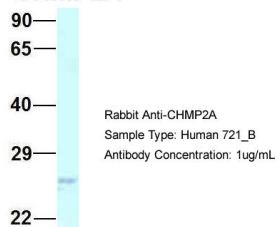
Slater C.,et al.Submitted (JAN-1998) to the EMBL/GenBank/DDBJ databases.  
Koczan D.,et al.Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.  
Kemmer D.,et al.BMC Genomics 7:48-48(2006).  
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.  
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

## Images



WB Suggested Anti-CHMP2A Antibody Titration: 1.0 µg/ml  
Positive Control: 293T Whole Cell

### CHMP2A



Host:Rabbit  
Target Name:CHMP2A  
Sample Tissue:721\_B  
Antibody Dilution: 1.0µg/mlCHMP2A is supported by  
BioGPS gene expression data to be expressed in 721\_B

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