

## Datasheet for ABIN7112645 **anti-CHMP2A antibody**



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### Overview

Quantity:	100 µg
Target:	CHMP2A
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHMP2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	chromatin modifying protein 2A
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	CHMP2A
Alternative Name:	CHMP2A ( <a href="#">CHMP2A Products</a> )
Background:	Synonyms:BC2, CHMP2 Background: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

## Target Details

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). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4. (Microbial infection) The ESCRT machinery functions in topologically equivalent membrane fission events, such as the budding of enveloped viruses(HIV-1 and other lentiviruses). Involved in HIV-1 p6-and p9-dependent virus release.

Molecular Weight:	32 kDa
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Gene ID:	27243
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UniProt:	<a href="#">O43633</a>
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Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>
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## Application Details

Application Notes:	WB: 1:500-1:2000
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
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Expiry Date:	12 months
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