antibodies

# Datasheet for ABIN7147520 anti-CHMP2A antibody (AA 1-222) (Biotin)



Overview

Quantity:	100 µg
Target:	CHMP2A
Binding Specificity:	AA 1-222
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHMP2A antibody is conjugated to Biotin
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human Charged multivesicular body protein 2a protein (1-222AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	CHMP2A
Alternative Name:	CHMP2A (CHMP2A Products)
Background:	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

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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-0, -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.
Aliases: BC 2 antibody, BC2 antibody, Charged multivesicular body protein 2a antibody,
CHM2A_HUMAN antibody, CHMP2 antibody, CHMP2a antibody, Chromatin modifying protein
2a antibody, Chromatin-modifying protein 2a antibody, hVps2 1 antibody, hVps2-1 antibody,
putative breast adenocarcinoma marker antibody, Putative breast adenocarcinoma marker BC-
2 antibody, Putative breast adenocarcinoma marker BC2 antibody, Vacuolar protein sorting
associated protein 2 1 antibody, Vacuolar protein sorting-associated protein 2-1 antibody, Vps2
1 antibody, VPS2 antibody, Vps2-1 antibody, VPS2A antibody

UniProt:	043633
Pathways:	SARS-CoV-2 Protein Interactome

# Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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### Handling

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Storage Comment:

Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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