Datasheet for ABIN7112643

anti-CHMP1A antibody

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Overview

Quantity:	100 µg
Target:	CHMP1A
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHMP1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	chromatin modifying protein 1A
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	CHMP1A
Alternative Name:	CHMP1A (CHMP1A Products)
Background:	Synonyms:CHMP1, CHMP1A, chromatin modifying protein 1A, hVps46 1, KIAA0047, PCOLN3, PRSM1, Vps46 1 Background: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

Target Details

	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 to the midbody of dividing cells. May also be involved in chromosome condensation. Targets the Polycomb group(PcG) protein BMI1/PCGF4 to regions of condensed chromatin. May play a role in stable cell cycle progression and in PcG gene silencing.
Molecular Weight:	33 kDa, 25 kDa
Gene ID:	5119
UniProt:	Q9HD42

Application Details

Application Notes:	WB: 1:500-1:1000, IP: 1:500-1:1000, IHC: 1:20-1:200
Restrictions:	For Research Use only

Handling

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