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Datasheet for ABIN7147515
anti-CHMP1A antibody (AA 1-196) (Biotin)

Overview

Quantity:	100 µg
Target:	CHMP1A
Binding Specificity:	AA 1-196
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHMP1A antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Charged multivesicular body protein 1a protein (1-196AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CHMP1A
Alternative Name:	CHMP1A (CHMP1A Products)
Background:	Background: Probable peripherally associated component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs)

Target Details

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 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.

Aliases: Charged multivesicular body protein 1a antibody, CHM1A_HUMAN antibody, CHMP1a antibody, Chromatin modifying protein 1a antibody, Chromatin-modifying protein 1a antibody, hVps46 1 antibody, hVps46-1 antibody, KIAA0047 antibody, Metalloprotease 1 antibody, PCOLN3 antibody, Procollagen (type III) N endopeptidase antibody, PRSM1 antibody, Vacuolar protein sorting 46 1 antibody, Vacuolar protein sorting-associated protein 46-1 antibody, Vps46 1 antibody, Vps46-1 antibody

UniProt: [Q9HD42](#)

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.

Handling

Storage: -20 °C,-80 °C

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