

Rabbit CHMP1A Polyclonal Antibody | anti-CHMP1A antibody

CHMP1A Antibody

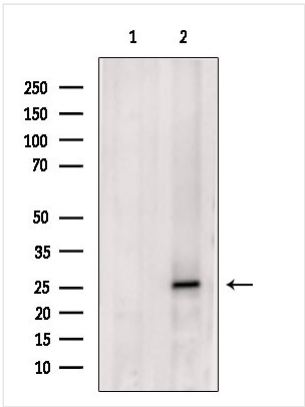
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328808	Rabbit	Human, MousePredicted: Pig, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus	Western Blot

PRODUCT SYNONYMS

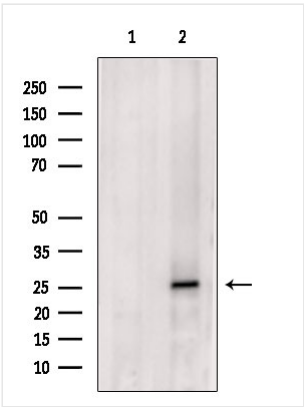
CHMP1A; Polyclonal Antibody; CHMP1A Antibody; Charged multivesicular body protein 1a; CHM1A_HUMAN; CHMP1a; Chromatin modifying protein 1a; Chromatin-modifying protein 1a; hVps46 1; hVps46-1; KIAA0047; Metalloprotease 1; PCOLN3; Procollagen (type III) N endopeptidase; PRSM1; Vacuolar protein sorting 46 1; Vacuolar protein sorting-associated protein 46-1; Vps46 1; Vps46-1; anti-CHMP1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted: Pig, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	CHMP1A Antibody detects endogenous levels of CHMP1A.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	332
Applicable Applications for anti-CHMP1A antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human CHMP1A.
Tissue Specificity	Expressed in placenta, cultured skin fibroblasts and in osteoblast cell line MG-63.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Endosome; Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using CHMP1A Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from A431 cells, using CHMP1A Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CHMP1A antibody	Description: 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 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. Subunit Structure: Probable peripherally associated component of the endosomal sorting required for transport complex III (ESCRT-III). ESCRT-III components are thought to multimerize to form a flat lattice on the perimeter membrane of the endosome. Several assembly forms of ESCRT-III may exist that interact and act sequentially. Self-associates. Interacts with CHMP1B. Interacts with VPS4A. Interacts with VPS4B. Interacts with PHF1. Interacts with IST1. Interacts with MITD1. Similarity: Belongs to the SNF7 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119587121
NCBI GeneID	5119
UniProt Accession #	Q9HD42
Molecular Weight	Observed: 25 kDa Predicted: 22 kDa
NCBI Official Full Name	procollagen (type III) N-endopeptidase, isoform CRA_a, partial
NCBI Official Synonym Full Names	charged multivesicular body protein 1A
NCBI Official Symbol	CHMP1A
NCBI Official Synonym Symbols	PCH8; CHMP1; PRSM1; PCOLN3; VPS46A; VPS46-1
NCBI Protein Information	charged multivesicular body protein 1a

UniProt Protein Name	Charged multivesicular body protein 1a
UniProt Gene Name	CHMP1A
UniProt Synonym Gene Names	CHMP1; KIAA0047; PCOLN3; PRSM1; CHMP1a; Vps46-1; hVps46-1
UniProt Entry Name	CHM1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/chmp1a-antibody-western-blot-elisa/328808>