

Rabbit anti-Human CHMP4A Polyclonal Antibody | anti-CHMP4A antibody

CHMP4A Antibody (C-term)

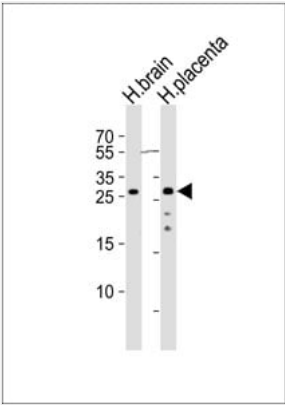
CATALOG # AAA289616	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

CHMP4A; Polyclonal Antibody; CHMP4A Antibody (C-term); Charged multivesicular body protein 4a; Chromatin-modifying protein 4a; CHMP4a; SNF7 homolog associated with Alix-2; SNF7-1; hSnf-1; Vacuolar protein sorting-associated protein 32-1; Vps32-1; hVps32-1; C14orf123; SHAX2; anti-CHMP4A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CHMP4A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 205-239 amino acids from the C-terminal region of human CHMP4A.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	265
Applicable Applications for anti-CHMP4A antibody	ELISA, WB (Western Blot)
Function	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 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. When overexpressed, membrane-assembled circular arrays of CHMP4A filaments can promote or stabilize negative curvature and outward budding. Via its interaction with PDCD6IP involved in HIV-1 p6- and p9-dependent virus release. CHMP4A/B/C are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:).
Cellular location	Cytoplasmic vesicle membrane. Late endosome membrane; Peripheral membrane protein Note=Membrane-associated. Localizes to large vesicle-like structures. Localizes to the midbody of dividing cells. Localized in two distinct rings on either side of the Fleming body.
Tissue Location	Widely expressed. Expressed at higher level in heart, kidney, liver and skeletal muscle. Also expressed in brain, placenta, lung and pancreas
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of lysates from human brain and human placenta tissue (from left to right), using CHMP4A Antibody (C-term). AAA289616 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-CHMP4A antibody	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 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. When overexpressed, membrane-assembled circular arrays of CHMP4A filaments can promote or stabilize negative curvature and outward budding. Via its interaction with PDCD6IP involved in HIV-1 p6- and p9-dependent virus release.
Product Categories/Family for anti-CHMP4A antibody	Signal Transduction
References	Katoh K.,et al.J. Biol. Chem. 278:39104-39113(2003). Peck J.W.,et al.Biochem. J. 377:693-700(2004). Li Y.,et al.Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases. Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000). Li W.B.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40548422
NCBI GeneID	29082
NCBI Accession #	NP_054888.2
NCBI GenBank Nucleotide #	NM_014169.3
UniProt Accession #	Q9BY43; Q14D22; Q32Q79; Q86SZ8; Q96QJ9; Q9P026
Molecular Weight	25098
NCBI Official Full Name	charged multivesicular body protein 4a
NCBI Official Synonym Full Names	charged multivesicular body protein 4A
NCBI Official Symbol	CHMP4A

NCBI Official Synonym Symbols	SNF7; CHMP4; SHAX2; CHMP4B; SNF7-1; VPS32A; HSPC134; VPS32-1; C14orf123
NCBI Protein Information	charged multivesicular body protein 4a
UniProt Protein Name	Charged multivesicular body protein 4a
UniProt Gene Name	CHMP4A
UniProt Synonym Gene Names	C14orf123; SHAX2; CHMP4a; hSnf-1; Vps32-1; hVps32-1
UniProt Entry Name	CHM4A_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/chmp4a-antibody-western-blot-elisa/289616>