

Rabbit CHMP4B Polyclonal Antibody | anti-CHMP4B antibody

CHMP4B Antibody (N-term)

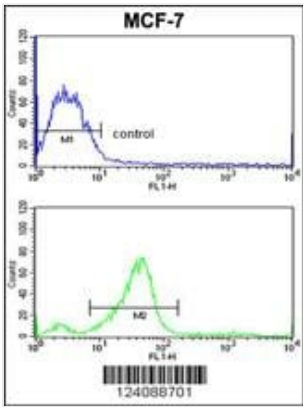
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290043	Rabbit	Human (Predicted Reactivity: Chicken, Zebrafish, Mouse, Xenopus)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

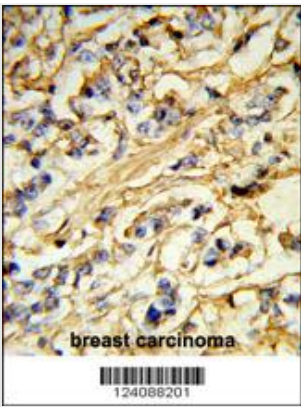
CHMP4B; Polyclonal Antibody; CHMP4B Antibody (N-term); Charged multivesicular body protein 4b; Chromatin-modifying protein 4b; CHMP4b; SNF7 homolog associated with Alix 1; SNF7-2; hSnf7-2; Vacuolar protein sorting-associated protein 32-2; Vps32-2; hVps32-2; C20orf178; SHAX1; anti-CHMP4B antibody

PRODUCT SPECIFICATIONS

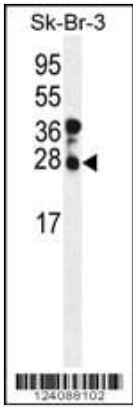
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Zebrafish, Mouse, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CHMP4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-79 amino acids from the N-terminal region of human CHMP4B.
Purity/Purification	Peptide Affinity 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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	51-79
Sequence Length	224
Applicable Applications for anti-CHMP4B antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
CHMP4B Antibody (N-term) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human breast carcinoma reacted with CHMP4B Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CHMP4B Antibody (N-term) in SK-BR-3 cell line lysates (35ug/lane).CHMP4B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CHMP4B antibody	CHMP4B is a member of the chromatin-modifying protein/charged multivesicular body protein (CHMP) protein family. The protein is part of the endosomal sorting complex required for transport (ESCRT) complex III (ESCRT-III), which functions in the sorting of endocytosed cell-surface receptors into multivesicular endosomes. The ESCRT machinery also functions in the final abscission stage of cytokinesis and in the budding of enveloped viruses such as HIV-1. The three proteins of the CHMP4 subfamily interact with programmed cell death 6 interacting protein (PDCD6IP, also known as ALIX), which also functions in the ESCRT pathway. The CHMP4 proteins assemble into membrane-attached 5-nm filaments that form circular scaffolds and promote or stabilize outward budding. These polymers are proposed to help generate the luminal vesicles of multivesicular bodies.
Product Categories/Family for anti-CHMP4B antibody	Cell biology; Neuroscience
References	Zhou, X., et al. Biochem. J. 418(2):277-284(2009) McCullough, J., et al. Proc. Natl. Acad. Sci. U.S.A. 105(22):7687-7691(2008) Ichioka, F., et al. FEBS J. 275(4):682-692(2008) Hanson, P.I., et al. J. Cell Biol. 180(2):389-402(2008) Shiels, A., et al. Am. J. Hum. Genet. 81(3):596-606(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	28827795
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NCBI GeneID	128866
NCBI Accession #	NP_789782.1
NCBI GenBank Nucleotide #	NM_176812.4
UniProt Accession #	Q9H444; Q53ZD6; E1P5N4
Molecular Weight	24950
NCBI Official Full Name	charged multivesicular body protein 4b
NCBI Official Synonym Full Names	charged multivesicular body protein 4B
NCBI Official Symbol	CHMP4B
NCBI Official Synonym Symbols	SNF7; CTPP3; Shax1; CHMP4A; SNF7-2; VPS32B; CTRCT31; Vps32-2; C20orf178; dJ553F4.4
NCBI Protein Information	charged multivesicular body protein 4b
UniProt Protein Name	Charged multivesicular body protein 4b
UniProt Gene Name	CHMP4B
UniProt Synonym Gene Names	C20orf178; SHAX1; CHMP4b; hSnf7-2; Vps32-2; hVps32-2
UniProt Entry Name	CHM4B_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://stage.aaabiotech.com/polyclonal/chmp4b-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/290043>