

Rabbit anti-Human, Mouse CHMP2B Polyclonal Antibody | anti-CHMP2B antibody

Rabbit anti-CHMP2B Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212730	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

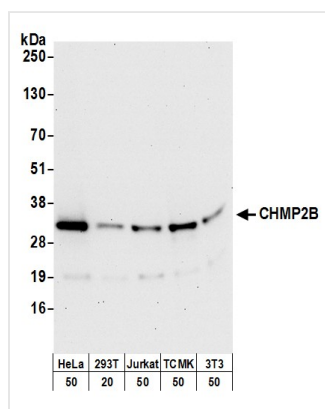
PRODUCT SYNONYMS

CHMP2B; Polyclonal Antibody; Rabbit anti-CHMP2B Antibody; Affinity Purified; Chromatin-modifying protein 2b; VPS2-2; VPS2 homolog B; vacuolar protein-sorting-associated protein 2-2; Vacuolar protein sorting-associated protein 2-2; DMT1; VPS2B; chromatin modifying protein 2B; CHMP2b; CHMP2.5; charged multivesicular body protein 2b; ALS17; hVps2-2; Charged multivesicular body protein 2b; charged multivesicular body protein 2B; anti-CHMP2B antibody

PRODUCT SPECIFICATIONS

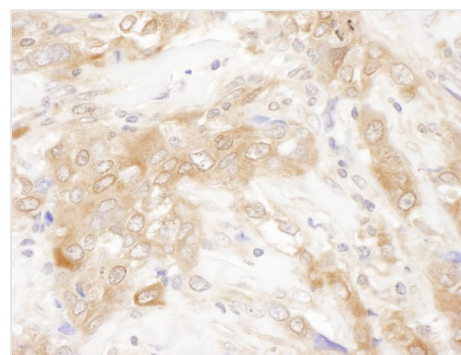
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CHMP2B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Predicted Reactivity	X. laevis, X. tropicalis, Chicken, Bovine, Orangutan
Immunogen	Between 163 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human and mouse CHMP2B by western blot. Samples: Whole cell lysate (50 ug) from HeLa, Jurkat, mouse TCMK-1, and mouse NIH 3T3 and (20 ug) from 293T cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-CHMP2B antibody AAA212730 (lot AAA212730-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



IHC (Immunohistochemistry)

Detection of human CHMP2B by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-CHMP2B (Cat. No. AAA212730 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB. Counterstain: IHC Hematoxylin (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-CHMP2B antibody	Charged multivesicular body protein 2b (CHMP2B) is a 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 [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9UQN3].
Product Categories/Family for anti-CHMP2B antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	40254866
NCBI GeneID	25978
NCBI Accession #	NP_054762.2
NCBI GenBank Nucleotide #	NM_014043.3
UniProt Accession #	Q9UQN3; Q53HC7; Q9Y4U6; B4DJG8
Molecular Weight	26.1 kDa (233aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)
NCBI Official Full Name	charged multivesicular body protein 2b isoform 1
NCBI Official Synonym Full Names	charged multivesicular body protein 2B
NCBI Official Symbol	CHMP2B
NCBI Official Synonym Symbols	DMT1; ALS17; VPS2B; VPS2-2; CHMP2.5
NCBI Protein Information	charged multivesicular body protein 2b
UniProt Protein Name	Charged multivesicular body protein 2b
UniProt Gene Name	CHMP2B
UniProt Synonym Gene Names	CHMP2b; Vps2-2; hVps2-2
UniProt Entry Name	CHM2B_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/chmp2b-antibody-immunohistochemistry-western-blot-elisa/212730>