

KD-Validated Anti-CHMP2B Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1146

Product Information

Application	WB, FC, ICC
Primary Accession	Q9UQN3
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3070
Calculated MW	23907
Gene Name	CHMP2B
Aliases	CHMP2B; Charged Multivesicular Body Protein 2B; CHMP2.5; VPS2B; Charged Multivesicular Body Protein 2b; Chromatin Modifying Protein 2B; DKFZP564O123; Vacuolar Protein-Sorting-Associated Protein 2-2; Vacuolar Protein Sorting-Associated Protein 2-2; VPS2 Homolog B (S. Cerevisiae); Chromatin-Modifying Protein 2b; VPS2 Homolog B; FTDALS7; HVps2-2; VPS2-2; CHMP2b; Vps2-2; ALS17; DMT1
Immunogen	A synthesized peptide derived from CHMP2B

Additional Information

Gene ID	25978
Other Names	Charged multivesicular body protein 2b, CHMP2.5, Chromatin-modifying protein 2b, CHMP2b, Vacuolar protein sorting-associated protein 2-2, Vps2-2, hVps2-2, CHMP2B

Protein Information

Name	CHMP2B
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.

Cellular Location

Cytoplasm, cytosol. Late endosome membrane; Peripheral membrane protein

Tissue Location

Widely expressed. Expressed in brain, heart, skeletal muscle, spleen, kidney, liver, small intestine, pancreas, lung, placenta and leukocytes. In brain, it is expressed in cerebellum, cerebral cortex, medulla, spinal cord, occipital lobe, frontal lobe, temporal lobe and putamen.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.