



Anti-CHMP2B Antibody

Alternative Names: ALS17, CHMP2.5, DMT1, VPS2-2, VPS2B, VPS2 Homolog B, Vacuolar Protein Sorting-Associated Protein 2-2, Charged Multivesicular Body Protein 2b

Catalogue Number: AB19-10090-50ug

Size: 50 µg

Background Information

Charged Multivesicular Body Protein 2B (CHMP2B) forms part of one of the endosomal sorting complexes required for transport (ESCRT), specifically ESCRT-III. (ESCRT)-III proteins catalyse a number of membrane remodeling processes essential for many cellular functions with CHMP2B mediating the endosomal sorting of ubiquitinated transmembrane proteins into the multivesicular bodies (MVBs) for transport to lysosomes.

ESCRT-III comprises IST1, two isoforms of CHMP1, two isoforms of CHMP2, CHMP3, three isoforms of CHMP4, CHMP5, CHMP6 and CHMP7. The ESCRT-III proteins are expressed ubiquitously with CHMP2B having a specialised role in neurons during the formation and maintenance of synapses. Mutations in the CHMP2B gene results in two C-terminally truncated variants of the protein leading to an autosomal dominant form of frontotemporal dementia (FTD).

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	Full length recombinant human CHMP2B		
Format:	50 µg in 50 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
Storage Conditions:	Store at -20°C. Avoid freeze / thaw cycles.		
Applications:	WB IHC WB 1:500-2000. IHC 1:50-200.		

Additional Information

Subcellular location:	Cytoplasm Late endosome membrane Peripheral membrane protein cytosol	MW:	24kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	25978	Uniprot ID:	Q9UQN3