



## 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:** AB19-10090-100ug

**Size:** 100 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

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen:</b>	Full length recombinant human CHMP2B		
<b>Format:</b>	100 µg in 100 µl PBS with 0.02% sodium azide, 50% glycerol, pH7.3.		
<b>Storage Conditions:</b>	Store at -20°C. Avoid freeze / thaw cycles.		
<b>Applications:</b>	WB IHC WB 1:500-2000. IHC 1:50-200.		

### Additional Information

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