

## Product datasheet for **AP31897PU-N**

### CHMP4B Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/200-1/5000. <b>Immunohistochemistry:</b> 1/100-1/2000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Human CHMP4b protein.
Specificity:	Recognizes CHMP4b.
Formulation:	0.1M Tris, 0.1M Glycine, 2% Sucrose State: Purified State: Lyophilized powder Preservative: None
Reconstitution Method:	Restore in distilled water
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Lyophilized powder stable for a minimum of 2 years at -20°C. Store reconstituted antibody at 2-4°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: Six months from despatch.
Gene Name:	charged multivesicular body protein 4B
Database Link:	<a href="#">Entrez Gene 128866 Human Q9H444</a>



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**Background:**

The charged multivesicular body proteins or chromatin modifying proteins, commonly designated CHMPs, belong to the vacuolar sorting protein family and function as chromatin-modifying proteins. CHMP1-6 are all components of ESCRT (endosomal sorting complex required for transport) I, II or III complexes. These complexes are crucial for sorting endosomal articles into multivesicular bodies (MVBs), and are also required for the formation of these bodies. CHMP4B (charged multivesicular body protein 4b) is a 224 amino acid protein that interacts with Alix, which results in the redistribution of Alix from the cytoplasm to the perinuclear area. Overexpression of CHMP4B induces accumulation of ubiquitinated proteins and inhibits degradation of endocytosed EGF. Defects in the gene encoding CHMP4B can cause posterior polar cataract type 3 (CTPP3), a disease characterized by distinct opacity located at the back of the lens resulting in visual impairment and eventual blindness.

**Synonyms:**

C20orf178, SHAX1, CHMP4b, SNF7-2, hSnf7-2, Vps32-2, hVps32-2