

## Product datasheet for **TA334492**

### Chmp2b Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Chmp2b antibody is: synthetic peptide directed towards the N-terminal region of Rat Chmp2b. Synthetic peptide located within the following region: ASLFKKKTVDDVIKEQNRELRGTQRAIIRDRAALEKQEKQLELEIKKMAK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	23 kDa
Gene Name:	charged multivesicular body protein 2B
Database Link:	<a href="#">XP_001063932</a> <a href="#">Entrez Gene 363720 Rat</a>



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**Background:**

Chmp2b is involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Chmp2b recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, possibly in combination with membrane fission. Chmp2b redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. 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. In conjunction with the ESCRT machinery Chmp2b also appears to function in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis. Involved in cytokinesis .

**Synonyms:**

CHMP2.5; DKFZp564O123; DMT1; hVps2-2; VPS2-2; VPS2B

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 93%; Zebrafish: 86%

**Product images:**

WB Suggested Anti-Chmp2b Antibody; Titration: 1.0 ug/ml; Positive Control: Rat Spleen