

## Rabbit anti-Human CHMP4B Polyclonal Antibody | anti-CHMP4B antibody

CHMP4B Antibody

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA231863</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

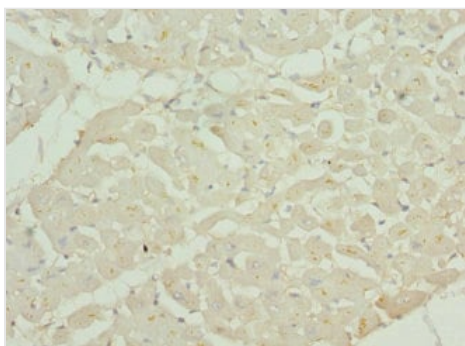
### PRODUCT SYNONYMS

CHMP4B; Polyclonal Antibody; CHMP4B Antibody; Charged multivesicular body protein 4b; Chromatin-modifying protein 4b; CHMP4b; SNF7 homolog associated with Alix 1; SNF7-2; hSnf7-2; Vacuolar protein sorting-associated protein 32-2; Vps32-2; hVps32-2; C20orf178; SHAX1; anti-CHMP4B antibody

### PRODUCT SPECIFICATIONS

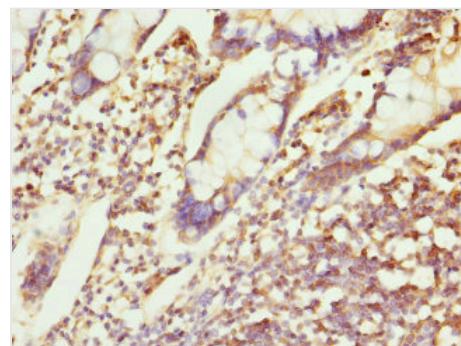
|                                                  |                                                                                                                |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                         |
| Reactivity                                       | Human                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                     |
| Isotype                                          | IgG                                                                                                            |
| Purity/Purification                              | Antigen Affinity Purified                                                                                      |
| Form/Format                                      | Liquid                                                                                                         |
| Sequence Length                                  | 224                                                                                                            |
| Applicable Applications for anti-CHMP4B antibody | IHC (Immunohistochemistry), ELISA                                                                              |
| Species                                          | Human                                                                                                          |
| Immunogen                                        | Recombinant human Charged multivesicular body protein 4b protein (1-224AA)                                     |
| Conjugate                                        | Non-conjugated                                                                                                 |
| Buffer                                           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                              |
| Santa Cruz Alternative                           | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-82556 / sc-82557                       |
| Preparation and Storage                          | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

### IMAGES



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human heart tissue using AAA231863 at dilution 1:100



**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human small intestine using AAA231863 at dilution 1:100

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CHMP4B antibody | 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 (PubMed:12860994, PubMed:18209100). The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis (PubMed:21310966). Together with SPAST, the ESCRT-III complex promotes nuclear envelope sealing and mitotic spindle disassembly during late anaphase (PubMed:26040712). Plays a role in the endosomal sorting pathway. ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or membrane fission activities, possibly in conjunction with the AAA ATPase VPS4. When overexpressed, membrane-assembled circular arrays of CHMP4B filaments can promote or stabilize negative curvature and outward budding. CHMP4A/B/C are required for the exosomal release of SDCBP, CD63 and syndecan (PubMed:22660413). |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------|
| NCBI GI #                        | 28827795                                                                           |
| NCBI GeneID                      | 128866                                                                             |
| NCBI Accession #                 | NP_789782.1                                                                        |
| NCBI GenBank Nucleotide #        | NM_176812.4                                                                        |
| UniProt Accession #              | Q9H444; Q53ZD6; E1P5N4                                                             |
| Molecular Weight                 | 24,950 Da                                                                          |
| NCBI Official Full Name          | charged multivesicular body protein 4b                                             |
| NCBI Official Synonym Full Names | charged multivesicular body protein 4B                                             |
| NCBI Official Symbol             | CHMP4B                                                                             |
| NCBI Official Synonym Symbols    | SNF7; CTPP3; Shax1; CHMP4A; SNF7-2; VPS32B; CTRCT31; Vps32-2; C20orf178; dJ553F4.4 |
| NCBI Protein Information         | charged multivesicular body protein 4b                                             |
| UniProt Protein Name             | Charged multivesicular body protein 4b                                             |
| UniProt Gene Name                | CHMP4B                                                                             |
| UniProt Synonym Gene Names       | C20orf178; SHAX1; CHMP4b; hSnf7-2; Vps32-2; hVps32-2                               |
| UniProt Entry Name               | CHM4B_HUMAN                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.