

For Research Use Only

# CHMP4B Monoclonal antibody

Catalog Number: 68811-2-Ig



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>68811-2-Ig                           | <b>GenBank Accession Number:</b><br>BC033859        | <b>Purification Method:</b><br>Protein G purification                     |
| <b>Size:</b><br>150ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>128866                     | <b>CloneNo.:</b><br>2A3F5   |
| <b>Source:</b><br>Mouse  | <b>UNIPROT ID:</b><br>Q9H444                        | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IF/ICC 1:500-1:2000 |
| <b>Isotype:</b><br>IgG1  | <b>Full Name:</b><br>chromatin modifying protein 4B |   |
| <b>Immunogen Catalog Number:</b><br>AG33487                    | <b>Calculated MW:</b><br>224 aa, 25 kDa             |   |
|  | <b>Observed MW:</b><br>33 kDa                       |   |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>WB, IF/ICC, ELISA | <b>Positive Controls:</b>  |
| <b>Species Specificity:</b><br>Human             | <b>WB :</b> LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, MOLT-4 cells<br><b>IF/ICC :</b> HCT 116 cells, |

## Background Information

CHMP4B (charged multivesicular body protein 4b) is a human homologue of yeast Snf7p (also named Vps32p) and a member of CHMP family which is implicated in multivesicular body (MVB) sorting. The CHMP proteins are components of ESCRT-III (endosomal sorting complex required for transport III), a complex involved in degradation of surface receptor proteins and formation of endocytic multivesicular bodies. Among seven CHMP family members, only CHMP4 has been found to interact with Alix, a multifunctional adaptor protein in various cellular functions. This antibody is highly specific to the CHMP4B and it doesn't cross-react with other CHMPs as well as other CHMP4s (CHMP4A and CHMP4C). CHMP4B can be detected 25-33 kDa by post-translational modification (PMID:26490837).

## Storage

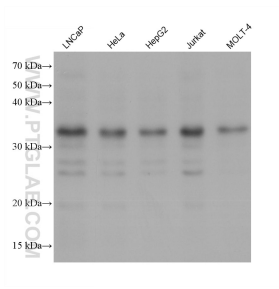
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

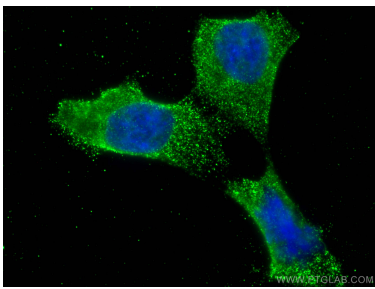
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68811-2-Ig (CHMP4B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HCT 116 cells using CHMP4B antibody (68811-2-Ig, Clone: 2A3F5 ) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).