

For Research Use Only

# CHMP4B Monoclonal antibody

Catalog Number: 68811-1-Ig



## Basic Information

<b>Catalog Number:</b> 68811-1-Ig	<b>GenBank Accession Number:</b> BC033859	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 128866	<b>CloneNo.:</b> 1D4G10
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9H444	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:1000-1:4000
<b>Isotype:</b> IgG1	<b>Full Name:</b> chromatin modifying protein 4B	
<b>Immunogen Catalog Number:</b> AG4544	<b>Calculated MW:</b> 224 aa, 25 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

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

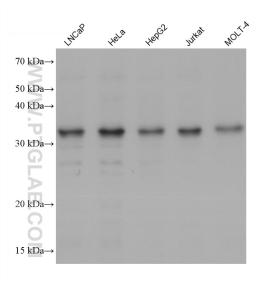
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

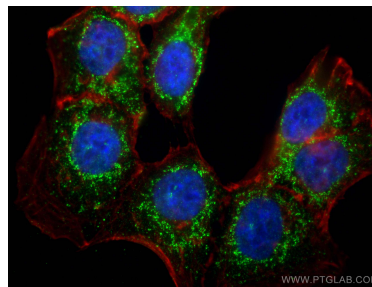
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68811-1-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 (68811-1-Ig, Clone: 1D4G10 ) at dilution of 1:2000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).