

CHMP4B Monoclonal antibody

Catalog Number: 68811-1-Ig

Basic Information

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

Applications

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

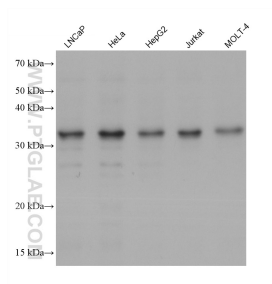
For technical support and original validation data for this product please contact:

T: 4006900926

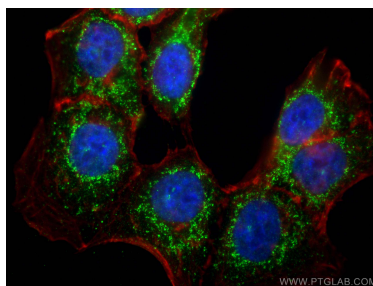
E: Proteintech-CN@ptglab.comW: ptgcn.com

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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 AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).