

For Research Use Only

# CHMP4B Polyclonal antibody

Catalog Number: 13683-1-AP

Featured Product

34 Publications



## Basic Information

<b>Catalog Number:</b> 13683-1-AP	<b>GenBank Accession Number:</b> BC033859	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 200 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 128866	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:20-1:200 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> chromatin modifying protein 4B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 224 aa, 25 kDa	
<b>Immunogen Catalog Number:</b> AG4544	<b>Observed MW:</b> 29-33 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

canine, human, mouse, pig, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : mouse heart tissue, transfected cells

**IHC** : human oesophagus cancer tissue, human heart tissue, human skeletal muscle tissue

**IF** : NIH/3T3 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Shiwei Liu	30232450	Nature	IF
JaLal M Kazan	34761192	iScience	WB,IF
Suresh Kumar	34741801	Cell	IF

## 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

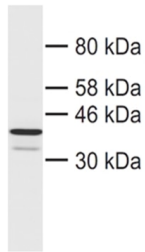
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

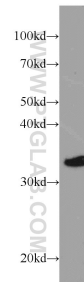
E: proteintech@ptglab.com  
W: ptglab.com

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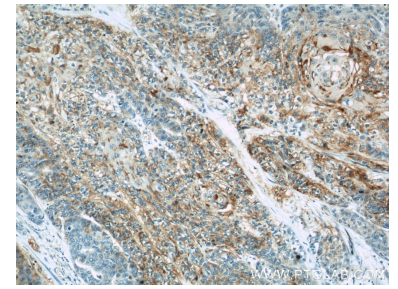
## Selected Validation Data



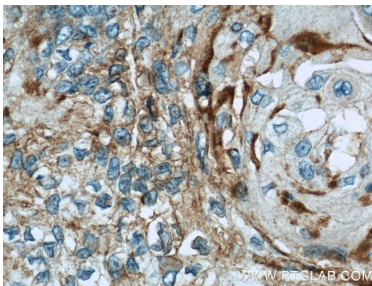
WB result of anti-CHMP4B (13683-1-AP) with "in vitro translated MYC-CHMP4B in wheat germ lysates".



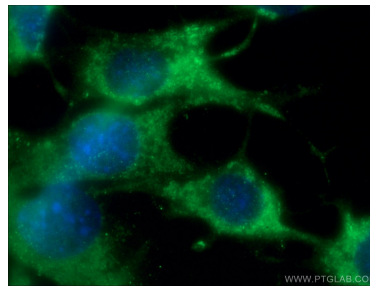
mouse heart tissue were subjected to SDS PAGE followed by western blot with 13683-1-AP (CHMP4B antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer using 13683-1-AP (CHMP4B antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer using 13683-1-AP (CHMP4B antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using 13683-1-AP (CHMP4B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).