

For Research Use Only

# CHMP4C Recombinant monoclonal antibody

Catalog Number:87800-1-RR



## Basic Information

<b>Catalog Number:</b> 87800-1-RR	<b>GenBank Accession Number:</b> BC014321	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 92421	<b>CloneNo.:</b> 251884A6
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q96CF2	<b>Recommended Dilutions:</b> WB: 1:500-1:2000 IHC: 1:500-1:2000
<b>Immunogen Catalog Number:</b> AG9577	<b>Full Name:</b> chromatin modifying protein 4C	
	<b>Calculated MW:</b> 233 aa, 26 kDa	
	<b>Observed MW:</b> 35 -42 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Species Specificity:**  
human

**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 :** DU 145 cells, HeLa cells, NCI-H1299 cells, A549 cells, LNCap cells, SiHa cells, TT cells

**IHC :** Human lung cancer (Adenocarcinoma) ,

## Background Information

CHMP4C (Charged multivesicular body protein 4c), also known as SHAX3. It is expected to be located in the cytoplasm and membrane, which is expressed in heart, spleen and kidney. CHMP4C is one of the charged multivesicular protein (CHMP), and is involved in the composition of the endosomal sorting complex required for transport III (ESCRT-III), facilitating the necessary separation of daughter cells. CHMP4C has been proposed to be involved in the progression of different carcinomas. The molecular weight of CHMP4C is 26 kDa. Phosphorylated at Ser-210 by AURKB during cytokinesis: together with ZFYVE19/ANCHR, phosphorylated CHMP4C retains abscission-competent VPS4 (VPS4A and/or VPS4B) at the midbody ring until abscission checkpoint signaling is terminated at late cytokinesis. Phosphorylation and ubiquitination modification may lead to molecular weight of 35-42kd.

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

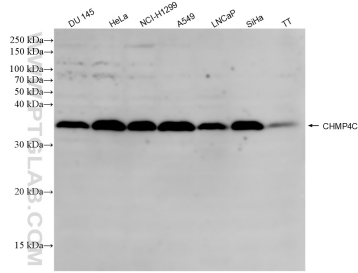
T: 4006900926

E: Proteintech-CN@ptglab.com

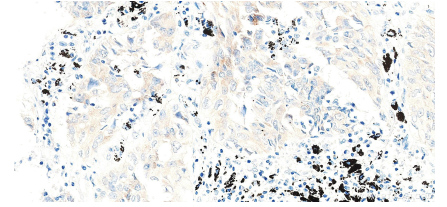
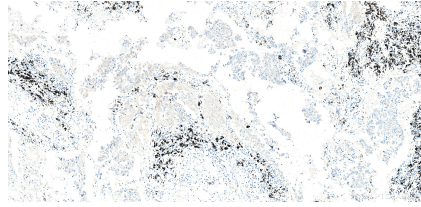
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87800-1-RR (CHMP4C antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded Human lung cancer (Adenocarcinoma) slide using 87800-1-RR (CHMP4C antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded Human lung cancer (Adenocarcinoma) slide using 87800-1-RR (CHMP4C antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).