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CHMP4B Protein (Myc-DYKDDDDK Tag)





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Overview			
Quantity:	20 μg		
Target:	CHMP4B		
Origin:	Human		
Source:	HEK-293 Cells		
Protein Type:	Recombinant		
Purification tag / Conjugate:	This CHMP4B protein is labelled with Myc-DYKDDDDK Tag.		
Application:	Antibody Production (AbP), Standard (STD)		
Product Details			
Characteristics:	 Recombinant human CHMP4B protein expressed in HEK293 cells. Produced with end-sequenced ORF clone 		
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining		
Target Details			
Target:	CHMP4B		
Alternative Name:	Chmp4b (CHMP4B Products)		
Background:	This gene encodes a member of the chromatin-modifying protein/charged multivesicular body		
	protein (CHMP) protein family. The protein is part of the endosomal sorting complex required		
	for transport (ESCRT) complex III (ESCRT-III), which functions in the sorting of endocytosed		
	cell-surface receptors into multivesicular endosomes. The ESCRT machinery also functions in		
	the final abscisson stage of cytokinesis and in the budding of enveloped viruses such as HIV-1.		

Target Details

The three proteins of the CHMP4 subfamily interact with programmed cell death 6 interacting protein (PDCD6IP, also known as ALIX), which also functions in the ESCRT pathway. The CHMP4 proteins assemble into membrane-attached 5-nm filaments that form circular scaffolds and promote or stabilize outward budding. These polymers are proposed to help generate the luminal vesicles of multivesicular bodies. Mutations in this gene result in autosomal dominant posterior polar cataracts.[provided by RefSeq, Oct 2009].

Molecular Weight:

24.8 kDa

NCBI Accession:

NP_789782

Application Details

Application Notes: Recombinant human proteins can be used for:

Native antigens for optimized antibody production

Positive controls in ELISA and other antibody assays

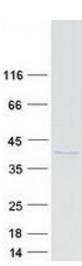
Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration:	50 μg/mL	
Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.		
Storage: -80 °C		
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze	

immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot