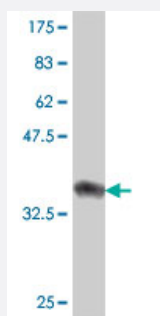


CHMP1B polyclonal antibody (A01)

Catalog # H00057132-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (32.16 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CHMP1B.
Immunogen	CHMP1B (NP_065145, 145 a.a. ~ 199 a.a) partial recombinant protein with GST tag.
Sequence	PQNQVDMLLQEMADEAGLDLNMELPQGQTGSGVTSVASAEQDELSQRLARLRDQV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (99)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.16 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — CHMP1B

Entrez GeneID [57132](#)

GeneBank Accession# [NM_020412](#)

Protein Accession# [NP_065145](#)

Gene Name CHMP1B

Gene Alias C10orf2, C18-ORF2, C18orf2, CHMP1.5, Vps46-2

Gene Description chromatin modifying protein 1B

Omim ID [606486](#)

Gene Ontology [Hyperlink](#)

Gene Summary CHMP1B belongs to the chromatin-modifying protein/charged multivesicular body protein (CHMP) family. These 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 (MVBs). Some CHMPs have both nuclear and cytoplasmic/vesicular distributions, and one such CHMP, CHMP1A (MIM 164010), is required for both MVB formation and regulation of cell cycle progression (Tsang et al., 2006 [PubMed 16730941]).[supplied by OMIM]

Other Designations vacuolar protein sorting 46-2

Publication Reference

- [MITD1 is recruited to midbodies by ESCRT-III and participates in cytokinesis.](#)

Lee S, Chang J, Renvoisé B, Tipimäni A, Yang S, Blackstone C.

Molecular Biology of the Cell 2012 Nov; 23(22):4347.

Application: IF, Human, HeLa cells

- [Structural basis for midbody targeting of spastin by the ESCRT-III protein CHMP1B.](#)

Yang D, Rismanchi N, Renvoise B, Lippincott-Schwartz J, Blackstone C, Hurley JH.

Nature Structural & Molecular Biology 2008 Dec; 15(12):1278.

Application: WB, IF, Human, HeLa cells

Pathway

- [Endocytosis](#)

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)