

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat CHMP2B in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CHMP2B Ala2-Asp213 Accession # Q9UQN3
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CHMP2B (CHarged Multivesicular body Protein 2B; also Chromatin-Modifying Protein 2B and Vps2-2) is a 35 kDa member of the SNF family of proteins. It is a cytosolic molecule that interacts with VPS4 and undergoes polymerization to form tubules that project plasma membrane outward, generating an environment conducive to membrane fission and budding. It also appears to participate in the formation of intraluminal vesicles associated with the lysosomal system. CHMP2B is found in striated muscle (heart and skeletal), and particularly in neurons of the CNS. Human CHMP2B is 213 amino acids (aa) in length. It contains one coiled-coil region (aa 25-55), an MIT (microtubule-interacting and trafficking) domain (aa 201-211) and a utilized phosphorylation site at Ser199. There is one alternative splice form that shows a deletion of aa 2-42. Full-length human CHMP2B shares 99% aa identity with mouse CHMP2B, but only 33% aa identity with human CHMP2A.

PRODUCT SPECIFIC NOTICES

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