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Datasheet for ABIN890555

anti-CHMP4B antibody (AA 101-200) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	CHMP4B
Binding Specificity:	AA 101-200
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CHMP4B antibody is conjugated to Alexa Fluor 555
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CHMP4B/CHMP4C
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	CHMP4B
Alternative Name:	Chmp4b+Chmp4c (CHMP4B Products)

Target Details

Background: Synonyms: CHMP4B: Charged multivesicular body protein 4b, Chromatin-modifying protein 4b, CHMP4b, SNF7 homolog associated with Alix 1, SNF7-2, hSnf7-2, Vacuolar protein sorting-associated protein 32-2, Vps32-2, hVps32-2 CHMP4C: Charged multivesicular body protein 4C, Chromatin-modifying protein 4C, CHMP4C, SNF7 homolog associated with Alix 3 SNF7-3, hSnf7-3, Vacuolar protein sorting-associated protein 32-3, Vps32-3, hVps32-3

Background: Probable core component of the endosomal sorting required for transport complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating membrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses).

Gene ID: 128866, 92421

UniProt: [Q9H444](#), [Q96CF2](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months