



PRODUCT DATA SHEET

Bioworld Technology, Inc.

MCOLN1 polyclonal antibody

Catalog: BS31055

Host: Rabbit

Reactivity: Human

BackGround:

Mucolipin-1: Nonselective cation channel probably playing a role in the regulation of membrane trafficking events and of metal homeostasis. Acts as a Ca^{2+} -permeable cation channel with inwardly rectifying activity. Proposed to play a major role in Ca^{2+} release from late endosome and lysosome vesicles to the cytoplasm, which is important for many lysosome-dependent cellular events, including the fusion and trafficking of these organelles, exocytosis and autophagy. Required for efficient uptake of large particles in macrophages in which Ca^{2+} release from the lysosomes triggers lysosomal exocytosis. May also play a role in phagosome-lysosome fusion (By similarity). Involved in lactosylceramide trafficking indicative for a role in the regulation of late endocytic membrane fusion/fission events. By mediating lysosomal Ca^{2+} release is involved in regulation of mTORC1 signaling and in mTOR/TF...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~65.0 kDa

Swiss-Prot:

Q9GZU1

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

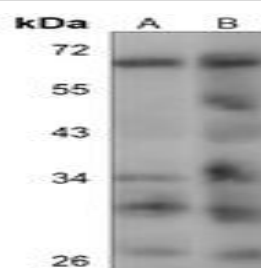
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of MCOLN1 protein

DATA:



Western blot analysis of CGRP2 expression in HeLa (A), Jurkat (B) whole cell lysates.

Immunohistochemical analysis of CGRP2 staining in rat heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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