

MCOLN3 polyclonal antibody

Catalog: BS67578

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Nonselective ligand-gated cation channel probably playing a role in the regulation of membrane trafficking events. Acts as Ca^{2+} -permeable cation channel with inwardly rectifying activity.

Mediates release of Ca^{2+} from endosomes to the cytoplasm, contributes to endosomal acidification and is involved in the regulation of membrane trafficking and fusion in the endosomal pathway.

Does not seem to act as mechanosensory transduction channel in inner ear sensory hair cells. Proposed to play a critical role at the cochlear stereocilia ankle-link region during hair-bundle growth (By similarity). Involved in the regulation of autophagy. Through association with GABARAPL2 may be involved in autophagosome formation possibly providing Ca^{2+} for the fusion process (By similarity).

Through a possible and probably tissue-specific heteromerization with MCOLN1 may be at least in part involved in many lysosome-dependent cellular events.

Possible heteromeric ion channel assemblies with TRPV5 show pharmacological similarity with TRPML3.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 60 kDa

Swiss-Prot:

Q8TDD5

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

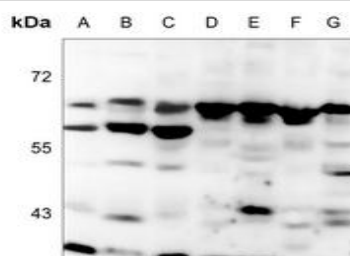
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of MCOLN3 protein.

DATA:



Western blot analysis of MCOLN3 expression in SGC7901 (A), HCT116 (B), Panc1 (C), mouse lung (D), mouse kidney (E), rat lung (F), rat kidney (G) whole cell lysates.

Note:

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

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