

**TBC1D24 polyclonal antibody**

Catalog: BS34270

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

TBC1 domain family member 24: May act as a GTPase-activating protein for Rab family protein(s). Involved in neuronal projection development, probably through negative modulation of ARF6 function. Required for the maintenance of postsynaptic neuron dendritic spines in the adult by suppressing ARF6 activity. Involved in the regulation of synaptic vesicle trafficking. Promotes axonal outgrowth and membrane trafficking at the growth cone (By similarity). Positively regulates radial migration and morphological maturation of pyramidal neurons during cortical development by preventing ARF6 activation (By similarity). In one study, has been shown to inhibit the activity of the vacuolar-type ATPase (V-ATPase) by inducing disassembly of the V-ATPase complex. In another study, has been shown to positively regulate V-ATPase assembly in neurons which promotes acidification of lysosomes and synaptic vesicles (By similarity).

Product:

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

Molecular Weight:

~62.9 kDa

Swiss-Prot:

Q9ULP9

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 TBC1D24 protein

DATA:

Western blot analysis of Carboxypeptidase A1/A2/B1 expression in mouse pancreas (A) whole cell lysates.

Immunofluorescent analysis of Carboxypeptidase A1/A2/B1 staining in BxPC3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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

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