

**KCTD13 polyclonal antibody**

Catalog: BS31950

Host: Rabbit

Reactivity: Human

BackGround:

BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 1: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex required for synaptic transmission. The BCR(KCTD13) E3 ubiquitin ligase complex mediates the ubiquitination of RHOA, leading to its degradation by the proteasome. Degradation of RHOA regulates the actin cytoskeleton and promotes synaptic transmission (By similarity). Mediates also the ubiquitination and degradation of GluN1/GRIN1 to regulate excitatory synaptic transmission and seizure susceptibility.

Product:

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

Molecular Weight:

~36.4 kDa

Swiss-Prot:

Q8WZ19

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

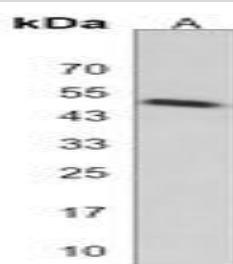
WB (1/500 - 1/1000)

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 KCTD13 protein.

DATA:

Western blot analysis of KCTD13 expression in SW620 (A), HepG2 (B), mouse kidney (C), mouse brain (D) whole cell lysates.

Immunofluorescent analysis of KCTD13 staining in MCF7 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 a 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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