

SHANK2 polyclonal antibody

Catalog: BS62481

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The SHANK family proteins, also known as proline-rich synapse-associated proteins, consist of SHANK1, SHANK2, and SHANK3. SHANK proteins act as scaffolds at the neuronal post-synaptic density (PSD), where they play a critical role in PSD assembly of excitatory synapses during development. While recruitment of SHANK proteins to the synapse is independent of their interaction with Homer, proper synaptic targeting of SHANK1 is mediated by interactions between its PDZ domain and PSD proteins. At the synapse, SHANK proteins interact with NMDA receptors and metabotropic glutamate receptor complexes. Research studies have proposed the involvement of SHANK proteins in autism and neurodegenerative diseases.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 135 kDa

Swiss-Prot:

Q9UPX8

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000 IHC:1:50~1:200

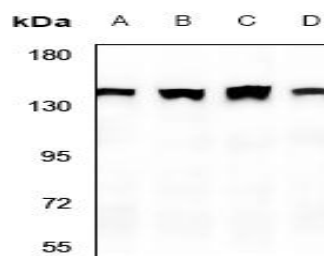
Storage&Stability:

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

Specificity:

SHANK2 polyclonal antibody detects endogenous levels of SHANK2 protein.

DATA:



Western blot (WB) analysis of SHANK2 polyclonal antibody at 1:500 dilution

LaneA:A549 whole cell lysate

LaneB:HCT116 whole cell lysate

LaneC:CT26 whole cell lysate

LaneD:PC12 whole cell lysate

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151