

Anti-SHANK2 Antibody
Rabbit polyclonal antibody to SHANK2
Catalog # AP59812

Specification

Anti-SHANK2 Antibody - Product Information

Application	WB, IP
Primary Accession	O9UPX8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	201261

Anti-SHANK2 Antibody - Additional Information

Gene ID 22941

Other Names

CORTBP1; KIAA1022; PROSAP1; SH3 and multiple ankyrin repeat domains protein 2; Shank2; Cortactin-binding protein 1; CortBP1; Proline-rich synapse-associated protein 1

Target/Specificity

Recognizes endogenous levels of SHANK2 protein.

Dilution

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)
IP~~N/A

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-SHANK2 Antibody - Protein Information

Name SHANK2

Synonyms CORTBP1, KIAA1022, PROSAP1

Function

Seems to be an adapter protein in the postsynaptic density (PSD) of excitatory synapses that interconnects receptors of the postsynaptic membrane including NMDA-type and metabotropic glutamate receptors, and the actin-based cytoskeleton. May play a role in the structural and functional organization of the dendritic spine and synaptic junction.

Cellular Location

Apical cell membrane. Cytoplasm. Synapse. Postsynaptic density. Cell projection, growth cone. Cell projection, dendritic spine. Note=Colocalizes with cortactin in growth cones in differentiating hippocampal neurons Colocalized with PDE4D to the apical membrane of colonic crypt cells (By similarity).

Tissue Location

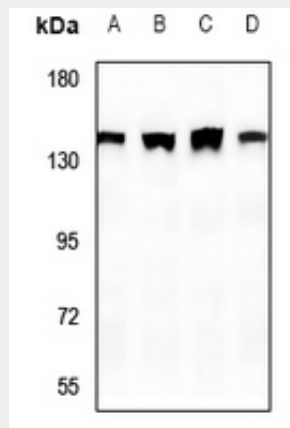
Isoform 3 is present in epithelial colonic cells (at protein level).

Anti-SHANK2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-SHANK2 Antibody - Images



Western blot analysis of SHANK2 expression in A549 (A), HCT116 (B), CT26 (C), PC12 (D) whole cell lysates.

Anti-SHANK2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SHANK2. The exact sequence is proprietary.