10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-SHANK2 Antibody

Rabbit polyclonal antibody to SHANK2
Catalog # AP59812

Product Information

Application	WB, IP
Primary Accession	Q9UPX8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	201261

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

Protein Information

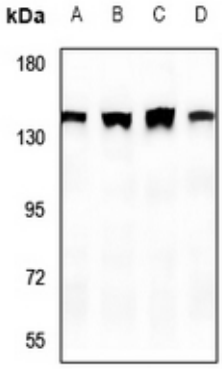
Name	SHANK2
Synonyms	CORTBP1, KIAA1022, PROSAP1
Function	Seems to be an adapter protein in the postsynaptic density (PSD) of excitatory synapses that interconnects receptors of the postsynaptic membrane including NMDA-type and metabotropic glutamate receptors, and the actin-based cytoskeleton. May play 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).

Background

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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.