

Anti-SHANK2 / SHANK Antibody (aa331-380)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17818

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9UPX8
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	201261

Additional Information

Gene ID	22941
Alias Symbol Other Names	SHANK2 SHANK2, AUTS17, Cortactin binding protein 1, CTTNBP1, CORTBP1, SPANK-3, SHANK, Cortactin-binding protein 1, GKAP/SAPAP interacting protein, KIAA1022, ProSAP1
Target/Specificity	SHANK2 Antibody detects endogenous levels of total SHANK2 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-SHANK2 / SHANK Antibody (aa331-380) is for research use only and not for use in diagnostic or therapeutic procedures.

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).

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