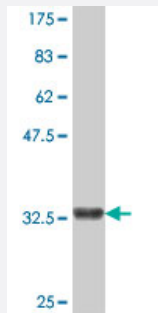


SHANK2 polyclonal antibody (A01)

Catalog # H00022941-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (36.12 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant SHANK2.
Immunogen	SHANK2 (NP_036441, 1034 a.a. ~ 1124 a.a) partial recombinant protein with GST tag.
Sequence	SILQQMNREKLAKPGEGLDSPMGAKSASLAPRSPEIMSTISGTRSTTVTFTVRPGTSQPITLQSRP PDYESRTSGTRRAPSPVVSPTEMNK
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (88)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.12 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — SHANK2

Entrez GeneID [22941](#)

GeneBank Accession# [NM_012309](#)

Protein Accession# [NP_036441](#)

Gene Name SHANK2

Gene Alias CORTBP1, CTTNBP1, ProSAP1, SHANK, SPANK-3

Gene Description SH3 and multiple ankyrin repeat domains 2

Omim ID [603290](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein that is a member of the Shank family of synaptic proteins that may function as molecular scaffolds in the postsynaptic density (PSD). Shank proteins contain multiple domains for protein-protein interaction, including ankyrin repeats, an SH3 domain, a PSD-95/Dlg/ZO-1 domain, a sterile alpha motif domain, and a proline-rich region. This particular family member contains a PDZ domain, a consensus sequence for cortactin SH3 domain-binding peptides and a sterile alpha motif. The alternative splicing demonstrated in Shank genes has been suggested as a mechanism for regulating the molecular structure of Shank and the spectrum of Shank-interacting proteins in the PSDs of adult and developing brain. Two alternative splice variants, encoding distinct isoforms, are reported. Additional splice variants exist but their full-length nature has not been determined. [provided by RefSeq]

Other Designations GKAP/SAPAP interacting protein|cortactin SH3 domain-binding protein|cortactin binding protein 1

Disease

- [Child Development Disorders](#)
- [Genetic Predisposition to Disease](#)
- [Mental Retardation](#)