

Product datasheet for **AP53906PU-N**

SHANK2 (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 879-908 amino acids from the Central region of Human SHANK2.
Specificity:	This antibody recognizes Mouse SHANK2 (Center). Other species not tested.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	158822 Da
Gene Name:	SH3 and multiple ankyrin repeat domains 2
Database Link:	Entrez Gene 210274 Mouse Entrez Gene 22941 Human Q9UPX8



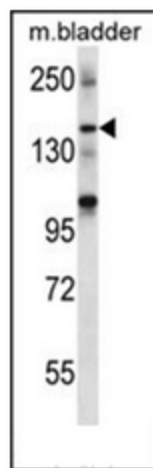
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Background:

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].

Synonyms:

Cortactin-binding protein 1, CORTBP1, PROSAP1, SPANK-3, SPANK3, KIAA1022

Product images:

Western blot analysis of SHANK2 Antibody (Center) in Mouse bladder tissue lysates (35ug/lane). This demonstrates the SHANK2 antibody detected the SHANK2 protein (arrow).