

Mouse Shank3 Monoclonal Antibody | anti-SHANK3 antibody

Anti-Shank3 Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47744	Mouse	Human, mouse, rat	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Immunoblot, Western Blot

PRODUCT SYNONYMS

Shank3; Monoclonal Antibody; Anti-Shank3 Monoclonal Antibody; anti-SHANK3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, mouse, rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	S69-46
Specificity	Shank3 This antibody recognizes human, mouse, and rat Shank3. It does not cross-react with Shank1 or Shank2.
Form/Format	100ug in PBS, pH 7.4; 50% glycerol, 0.09% sodium azide. Purified by Protein G affinity chromatography.
Sequence Positions	840-857
Applicable Applications for anti-SHANK3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IB (Immunoblot)
Antigen	Synthetic peptide corresponding to aa 840-857 (PEKLPGSLRKGIPRTKSV) of rat Shank3 (accession no. Q9JLU4).
Dilution Instructions	Dilute in PBS or medium which is identical to that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C. Avoid repeated freezing and thawing.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-SHANK3 antibody

Shank proteins are a family of scaffold proteins identified through their interaction with a variety of membrane and cytoplasmic proteins. Shank proteins at postsynaptic sites of excitatory synapses play roles in signal transmission into the postsynaptic neuron. Shank proteins are crucial in receptor tyrosine kinase signaling; specifically, Shank3 can mediate Erk-MAPK and P13K signaling which is crucial for tubule formation. Shank 3 is also one of the latest genes to be associated with autism. A mutation in a single copy of Shank3 on chromosome 22q13 can result in communication disorders.

NCBI AND UNIPROT INFORMATION

NCBI GI #	122937241
NCBI GeneID	85358
NCBI Accession #	NP_001073889.1
NCBI GenBank Nucleotide #	NM_001080420.1
UniProt Accession #	Q3S3B4; Q6P5A2; Q9BYB0
NCBI Official Full Name	SH3 and multiple ankyrin repeat domains protein 3
NCBI Official Synonym Full Names	SH3 and multiple ankyrin repeat domains 3
NCBI Official Symbol	SHANK3
NCBI Official Synonym Symbols	PSAP2; SCZD15; PROSAP2; SPANK-2; KIAA1650; DEL22q13.3
NCBI Protein Information	SH3 and multiple ankyrin repeat domains protein 3; shank postsynaptic density protein; proline rich synapse associated protein 2; proline-rich synapse-associated protein 2
UniProt Protein Name	SHANK3
UniProt Gene Name	SHANK3
UniProt Entry Name	Q3S3B4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/shank3-antibody-clone-s69-46-immunofluorescence-immunocytochemistry-immunohistochemistry-immunoblot-elisa/47744>