

Rabbit anti-Human, Mouse SHANK3 Polyclonal Antibody | anti-SHANK3 antibody

Rabbit anti-SHANK3 Antibody, Affinity Purified

CATALOG # AAA212533	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

SHANK3; Polyclonal Antibody; Rabbit anti-SHANK3 Antibody; Affinity Purified; SH3 and multiple ankyrin repeat domains protein 3; DEL22q13.3; SPANK-2; Shank3; shank postsynaptic density protein; PSAP2; PROSAP2; SCZD15; proline rich synapse associated protein 2; Proline-rich synapse-associated protein 2; SH3 and multiple ankyrin repeat domains 3; anti-SHANK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SHANK3 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat
Immunogen	Between 1475 and 1525
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of mouse SHANK3 by western blot. Samples: Whole cell lysate (10 ug) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SHANK3 antibody (AAA212533 lot 2) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



WB (Western Blot)

Detection of human SHANK3 by western blot. Samples: Whole cell lysate (10 ug) from HeLa, HEK293T, MCF-7, SR, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SHANK3 antibody (AAA212533 lot 2) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IP (Immunoprecipitation)

Detection of human SHANK3 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SHANK3 antibody (AAA212533 lot 2) used for IP at 6 ug per reaction. SHANK3 was also immunoprecipitated by a previous lot of this antibody (AAA212533 lot 1). For blotting immunoprecipitated SHANK3, AAA212533 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-SHANK3 antibody	SH3 and multiple ankyrin repeat domains 3 (SHANK3) 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 via complexes with GKAP/PSD-95 and Homer, respectively, and the actin-based cytoskeleton. SHANK3 may play a role in the structural and functional organization of the dendritic spine and synaptic junction. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9BYB0].
Product Categories/Family for anti-SHANK3 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	85358
UniProt Accession #	Q9BYB0
UniProt Protein Name	SH3 and multiple ankyrin repeat domains protein 3
UniProt Gene Name	SHANK3
UniProt Synonym Gene Names	KIAA1650; PROSAP2; PSAP2; Shank3; ProSAP2
UniProt Entry Name	SHAN3_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/polyclonal/shank3-antibody-immunoprecipitation-western-blot-elisa/212533>