Datasheet for ABIN726335

anti-SHANK1 antibody (AA 101-200)

Go to Product page

1 Publication

Overview

Quantity:	100 µL
Target:	SHANK1
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SHANK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Shank1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	SHANK1
Alternative Name:	SHANK 1 (SHANK1 Products)

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Target Details

Background:	Synonyms: SSTRIP, SPANK-1, synamon, SH3 and multiple ankyrin repeat domains protein 1, Shank1, Somatostatin receptor-interacting protein, SSTR-interacting protein Background: 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. Plays a role in the structural and functional organization of the dendritic spine and synaptic junction.
Gene ID:	50944
UniProt:	Q9Y566
Pathways:	Synaptic Membrane, Maintenance of Protein Location

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

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Publications

Product cited in:	Zhang, Zheng, Wan, Shao, Liu, Zhang, Zhang: "The potential use of H102 peptide-loaded dual-functional nanoparticles in the treatment of Alzheimer's disease." in: **Journal of controlled release : official journal of the Controlled Release Society**, Vol. 192, pp. 317-24, (2014) (PubMed).

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