

AB-NN318-1

SHANK2 Antibody

Pan-specific monoclonal antibody (S23b-6) for monitoring the expression of rat SHANK2



KINEXUS

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Target Protein

Name Long:	SH3 and multiple ankyrin repeat domains protein 2 (SHANK2)
Alias:	Shank2, PROSAP1, cortactin binding protein 1, KIAA1022, AUTS17, CortBP1, Proline-rich synapse-associated protein 1, SH3 and multiple ankyrin repeat domains protein 2, Cortactin-binding protein 1, proline-rich synapse associated protein 1, SPANK-3, GKAP/SAPAP interacting protein, SHANK, cortactin SH3 domain-binding protein, ProSAP1, CORTBP1CTTNBP1,
UniProt ID:	Q9QX74 - Rat
Human Predicted Mass (KDa):	201.261 (1849 AA; Q9UPX8-3); 158.822 (1470 AA; Q9UPX8-1); 134.931 (1254 AA; Q9UPX8-4); 30.564 (281 AA; Q9UPX8-2)
Observed SDS-PAGE Mass (KDa):	160

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 84-309 (SH3/PDZ domains) of rat Shank2 (SH3 and multiple ankyrin repeat domains protein 2)
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	32 IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC IP
Antibody Dilution Recommended:	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-328 was sufficient for detection of Shank2 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~160 kDa protein. Weak mouse detection.
Antibody Specificity:	Very high
Antibody Cross Reactivities:	No cross-reactivity against Shank1 or Shank3.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987