

AB-NN263-1

GluA1/GluR1 Glutamate Receptor Antibody

Pan-specific monoclonal antibody (S355-1) for monitoring the expression of rat GluA1/GluR1 Glutamate Receptor



KINEXUS

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Target Protein

Name Long:	Glutamate receptor 1 (GluA1/GluR1 Glutamate Receptor)
Alias:	AMPA 1, AMPA selective glutamate receptor 1, Glutamate receptor 1, GluA1, GLUH 1, GluR K1, GluRK1, Glr-1, Glur-1, HIPA, Glur1, GluR-A, AI853806, 2900051M01Rik, GluRA, Glr1, MGC13325, GLUH1, GluA1, GLUR1, HBGR1, GLURA, glur-, GluA1, Glutamate receptor ionotropic AMPA 1, Glutamate receptor ionotropic, Gria 1, HBGR1, OTTHUMP00000160643,
UniProt ID:	P19490 - Rat
Human Predicted Mass (KDa):	102.888 (916 AA; P42261-5); 102.864 (916 AA; P42261-6); 101.506 (906 AA; P42261-1); 101.482 (906 AA; P42261-2); 93.900 (837 AA; P42261-4); 92.172 (826 AA; P42261-3)
Observed SDS-PAGE Mass (KDa):	100

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 1-389 (extracellular N-terminus) of rat GluA1/GluR1
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	94 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, 0.1% 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 ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-440 was sufficient for detection of GluA1/GluR1 in 20 µg of mouse brain membrane lysate and assayed by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~100 kDa protein.
Antibody Cross Reactivities:	Does not cross-react with GluR2.

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