

AB-NN294-1

Neuroigin 1 Antibody

Pan-specific monoclonal antibody (S97A-31) for monitoring the expression of rat Neuroigin 1



KINEXUS

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Target Protein

Name Long:	Neuroigin-1
Alias:	NLG 1, KIAA1070, MGC45115, Neuroigin-1, NL1, NLG1, Nlgn1
UniProt ID:	Q62765 - Rat
Human Predicted Mass (KDa):	96.368 (863 AA; D2X2H5-1)
Observed SDS-PAGE Mass (KDa):	120

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 718-843 (cytoplasmic C-terminus) of rat Neuroigin-1. Mouse: 99% identity (125/126 amino acids identical). Human: 99% identity (125/126 amino acids identical) >40% identity with Neuroigin-2 and -3.
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	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:	2 µg/ml of SMC-463 was sufficient for detection of Neuroigin-1 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~120 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	Does not cross-react with other Neuroigins.

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

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