

AB-NN295-1

Neuroigin 3 Antibody

Pan-specific monoclonal antibody (S110-29) for monitoring the expression of rat Neuroigin 3



KINEXUS

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Target Protein

| | |
|--------------------------------------|---|
| Name Long: | Neuroigin-3 |
| Alias: | Gliotactin homologue, Neuroigin-3, Nlgn3, NLGN3_HUMAN |
| UniProt ID: | Q62889 - Rat |
| Human Predicted Mass (KDa): | 93.895 (848 AA; X5DNV3-1) |
| Observed SDS-PAGE Mass (KDa): | 110 |

Immunogen

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|-----------------------------------|---|
| Antibody Immunogen Source: | Fusion protein amino acids 730-848 (intracellular C-terminus) of rat Neuroigin-3. Mouse: 99% identity (118/119 amino acids identical). Human: 98% identity (116/119 amino acids identical) ~60% identity with Neuroigin-1. ~40% identity with Neuroigin-2 |
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Production

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| 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

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| 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: | Human Mouse Rat |
| Antibody Positive Control: | 1 µg/ml of SMC-471 was sufficient for detection of Neuroigin 3 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 ~110 kDa protein. |
| Antibody Specificity: | High |
| Antibody Cross Reactivities: | Does not cross-react with Neuroigin-1, -2, -4 or -4. Weak~120 KDa target protein and one very strong ~75 KDa cross-reactive protein in mouse brain lysates. |

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

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