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PRODUCT DATASHEET

# Anti-Lgi1 Antibody

NeuroMab KO Validated

## Product Details

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|---|---|
| **Available Variants** | 100 µL (SKU:75-307) |
| **Conjugate** | Unconjugated |
| **Isotype** | IgG2a |
| **Clone** | N283/7 |
| **Gene Name** | Lgi1 |
| **Host Species** | Mouse |
| **Concentration** | 1 mg/mL |
| **Format** | Purified by Protein A chromatography |
| **Physical State** | Liquid |
| **Buffer** | 10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125 |
| **Production Notes** | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody. |
| **Applications** | ELISA, ICC, IHC, WB |
| **Species Reactivity** | Human, Mouse, Rat |
| **Immunogen** | Fusion protein amino acids 37-113 (LRRNT domain and first LRR repeat) of mouse Lgi1 (accession number Q9JIA1) produced recombinantly in E. Coli |
| **Specificity** | Does not cross-react with Lgi2, Lgi3 or Lgi4 (based on KO validation results) |
| **Molecular Weight** | 60 kDa |
| **Quality Control** | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band. |

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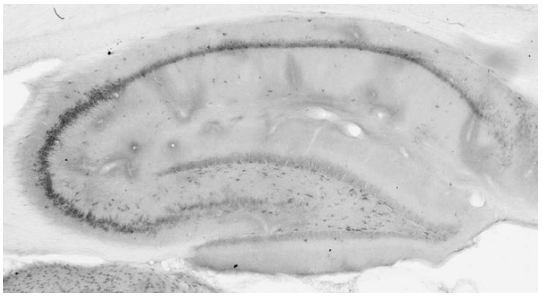
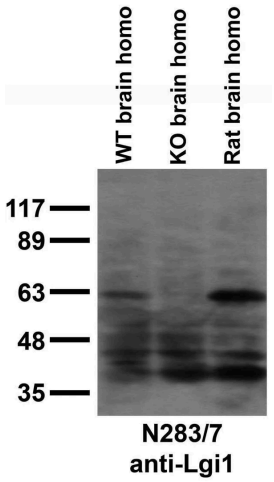
| **Storage** | Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap. |
| **Antibody Registry ID** | AB_2315876 |
| **UniProt ID** | Q9JIA1 |
| **Country of Origin** | United States |
| **Shipping** | Shipped on ice packs |
| **Expiration** | 24 months from date of receipt |
| **Usage Statement** | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans. |

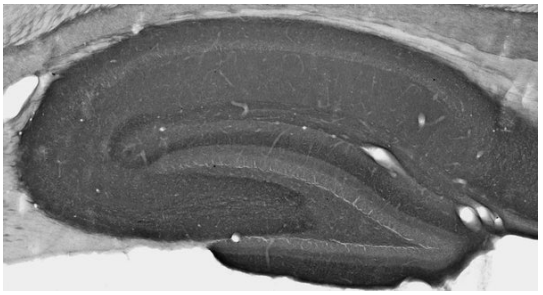
## Product Images



Adult rat hippocampus immunohistochemistry under standard protocol.




Immunoblot versus whole brain homogenates (homo) from adult rat and WT and Lgi1 KO mouse probed with N283/7 TC supe. Data courtesy of Masaki Fukata (National Institute for Physiological Sciences, Japan).



Immunohistochemistry with antigen retrieval via citrate pretreatment.