

## Neuroigin-4 Monoclonal Antibody

### ORDERING INFORMATION

**Catalog no.:** 56553 (clone S98-7)

**Size:** 100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.

### BACKGROUND

Neuroigin-4 is a neuronal cell surface protein and a member of the type-B carboxylesterase-lipase protein family. Members of this family may act as splice site-specific ligands for beta-neurexins and may be involved in the formation and remodeling of central nervous system synapses. Neuroigin-4 interacts with discs large homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Alternative splicing results in multiple transcript variants.

### SPECIFICATION SUMMARY

**Antigen:** Fusion protein corresponding to aa 782-945 (intracellular C-terminus) of mouse Neuroigin-4.

**Accession nos.:** ABS19580, B0F2B4

**Gene Id:** 100113365

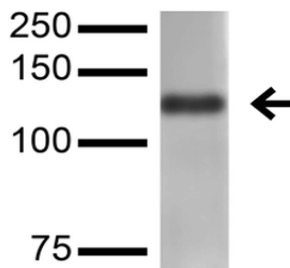
**Host Species:** Mouse

**Antibody Class:** IgG1

**Specificity:** This antibody recognizes mouse Neuroigin-4. It does not cross-react with other Neuroiginins.

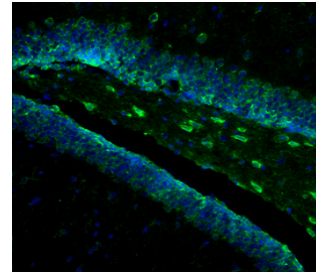
### APPLICATIONS

**Immunoblotting:** use at 1-2ug/ml. A band of ~125-130kDa is detected.



Detection of Neuroigin-4 in rat brain lysate with #56553 at 1ug/ml.

**Immunofluorescence:** use at 10ug/ml.



Detection of Neuroigin-4 in formaldehyde-fixed paraffin embedded mouse dentate gyrus with #56553 at 10ug/ml.

These are recommended concentrations. Enduser should determine optimal concentrations for their application.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

### STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C.

*For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.*