

Neurologin-3 Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 56552 (clone S110-29)

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

BACKGROUND

Neurologin-3 is a neuronal cell surface protein involved in cell-cell-interactions via its interactions with neuroligin family members. It plays a role in synapse function and synaptic signal transmission, and may mediate its effects by clustering other synaptic proteins. It may also promote the initial formation of synapses and play a role in glia-glia or glia-neuron interactions in the developing peripheral nervous system. Mutations in this gene may be associated with autism and Asperger syndrome. Multiple transcript variants encoding distinct isoforms have been identified for this gene.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 730-848 (intracellular C-terminus) of rat Neurologin-3. This sequence is 99% identical to mouse and 98% identical to human Neurologin-3.

Accession nos.: AAA97871, Q62889

Gene Id: 171297

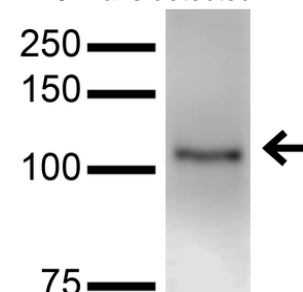
Host Species: Mouse

Antibody Class: IgG1

Specificity: This antibody recognizes human, mouse and rat Neurologin-3. It does not cross-react with Neurologin-1, -2, or -4.

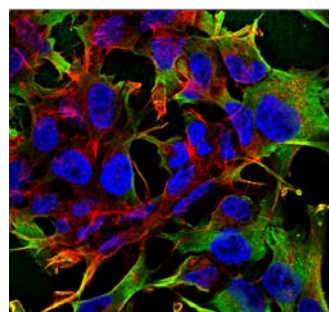
APPLICATIONS

Immunoblotting: use at 1-5ug/ml. A band of ~110kDa is detected.



Detection of Neurologin-3 in mouse brain lysate with #56552 at 5ug/ml.

Immunofluorescence: use at 10ug/ml.



Detection of Neurologin-3 in neuroblastoma cell line SK-N-BE with #56552 at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, FITC (green) Neurologin-3 stain.

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

DILUTION INSTRUCTIONS

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

Neurologin-3 Monoclonal Antibody

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.