

**AM60051PU-N****Monoclonal Antibody to Neuroigin 4 (782-945, Intracell. Dom.) - Purified**

<b>Alternate names:</b>	NL-4, Neuroigin 4-like, Neuroigin-4*, Nlgn4, Nlgn4l, Nlgn4x
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	The Nlgn4l gene encodes a member of a family of neuronal cell surface proteins. 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. The encoded protein interacts with discs, large (Drosophila) homolog 4 (DLG4). Mutations in this gene have been associated with autism and Asperger syndrome. Two transcript variants encoding the same protein have been identified for this gene.
<b>Uniprot ID:</b>	<a href="#">BOF2B4</a>
<b>NCBI:</b>	<a href="#">10090</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	AM03095PU-N
<b>Clone:</b>	S98-7
<b>Immunogen:</b>	Fusion protein amino acids 782-945 (intracellular, C-terminus) of mouse Neuroigin 4.
<b>Format:</b>	<b>State:</b> Liquid purified IgG fraction <b>Purification:</b> Protein G chromatography <b>Buffer System:</b> PBS pH 7.4, 50% Glycerol, 0.09% Sodium azide
<b>Applications:</b>	<b>Western blot:</b> 1/1000; 1 µg/ml was sufficient for detection of Neuroigin-4 in 20 µg of mouse brain lysate by colorimetric immunoblot analysis using HRP conjugated secondary antibody. <b>Immunocytochemistry.</b> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody detects Neuroigin 4; ~125-130 kDa. (~45% identity with Neuroigin-1, -2 and -3) <b>Species:</b> Human. Other species not tested.
<b>Storage:</b>	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: One year from despatch.