

## Product datasheet for **TA815022**

### Neuroigin 3 (NLGN3) Mouse Monoclonal Antibody [Clone ID: OTI3D10]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3D10
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment of human NLGN3 (NP_061850) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	91.8 kDa
Gene Name:	neuroigin 3
Database Link:	<a href="#">NP_061850</a> <a href="#">Entrez Gene 245537 Mouse</a> <a href="#">Entrez Gene 54413 Human</a> <a href="#">Q9NZ94</a>
Background:	This 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. Mutations in this gene may be associated with autism and Asperger syndrome. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Oct 2009]



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**Synonyms:** HNL3  
**Protein Families:** Druggable Genome, Transmembrane  
**Protein Pathways:** Cell adhesion molecules (CAMs)

**Product images:**

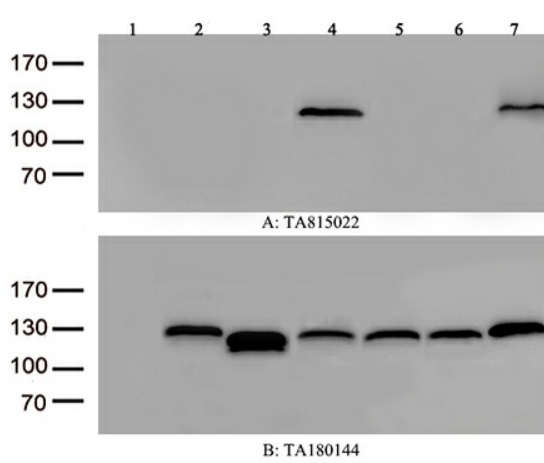
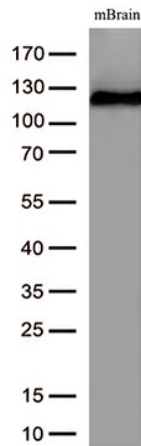


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1), human NLGN1 plasmid ([RC207524], lane 2), human NLGN2 plasmid ([RC222544], lane 3), human NLGN3 plasmid ([RC207955], lane 4), human NLGN4X plasmid ([RC204671], lane 5), human NLGN4Y plasmid ([RC214651], lane 6) , mouse NLGN3 plasmid ([MR222086], lane 7) using anti-NLGN3 antibody TA815022 (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



Western blot analysis of extracts (50ug) from mouse brain lysates by using anti-NLGN3 monoclonal antibody(TA815022, 1:500)