

Product datasheet for **CF815022**

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:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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:	NP_061850 Entrez Gene 245537 Mouse Entrez Gene 54413 Human Q9NZ94



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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]

Synonyms: HNL3

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

Product images:

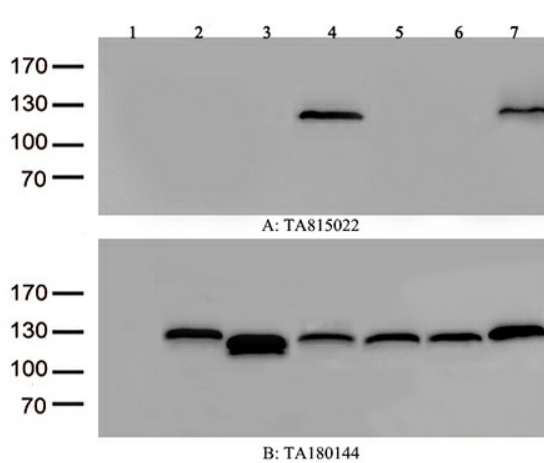
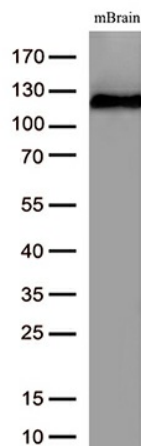


Figure A, Western blot analysis of overexpressed lysates(15ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1), human NLGN1 plasmid ([RC207524], lane 2),human NLGN2 plasmid ([RC222544], lane 3), human NLGN3 plasmid ([RC207955], lane 4), human NLGN4X plasmid ([RC204671], 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)