

## Product datasheet for **CF808856**

### NGDN Mouse Monoclonal Antibody [Clone ID: OTI8B5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI8B5
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human NGDN (NP_001036100) 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:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35.7 kDa
Gene Name:	neuroguidin
Database Link:	<a href="#">NP_001036100</a> <a href="#">Entrez Gene 25983 Human</a> <a href="#">Q8NEJ9</a>



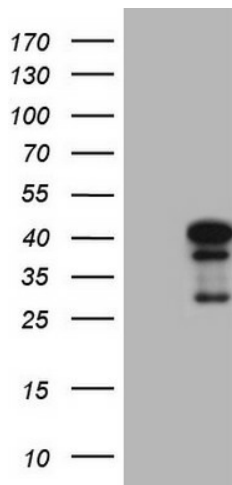
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**Background:**

Neuroguidin is an EIF4E (MIM 133440)-binding protein that interacts with CPEB (MIM 607342) and functions as a translational regulatory protein during development of the vertebrate nervous system (Jung et al., 2006 [PubMed 16705177]). [supplied by OMIM, Mar 2008]. Transcript Variant: This variant (2) retains an intron, differing in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. ##Evidence-Data-START## Transcript exon combination :: AL050003.1 [ECO:0000332] RNAseq introns :: single sample supports all introns ERS025081, ERS025082 [ECO:0000348] ##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

**Synonyms:**

C14orf120; CANu1; LCP5; lpd-2; NGD

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NGDN ([RC204792], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NGDN (1:2000). Positive lysates [LY421013] (100ug) and [LC421013] (20ug) can be purchased separately from OriGene.