

Datasheet for 600-401-DA6**NGN2 Antibody****Overview**

Description:	Anti-NGN2 (RABBIT) Antibody - 600-401-DA6
Item No.:	600-401-DA6
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	Neurogenin-2 (NGN2) is a neural-specific basic helix-loop-helix (bHLH) transcription factor that can specify a neuronal fate on ectodermal cells and is expressed in neural progenitor cells within the developing central and peripheral nervous systems. NGN2 is thought to work with Nurr1 to play a role in the differentiation and survival of midbrain dopaminergic neurons. It has also been suggested for use in human embryonic neural progenitors as a graft for spinal cord injuries
Synonyms:	NGN2 Antibody, NGN2, Atoh4, ngn-2, Math4A, bHLHa8, ATOH4, BHLHA8, NGN2, Neurogenin-2, Class A basic helix-loop-helix protein 8, NGN-2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NEUROG2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- NGN2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human NGN2.
Purity/Specificity:	Anti-NGN2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. NGN2 antibody is predicted to not cross-react with neurogenin 1.

Relevant Links:	• UniProtKB - Q9H2A3 • GeneID - 63973 • NCBI - NP_076924
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Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-NGN2 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 29 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
WB:	1-2 µg/mL

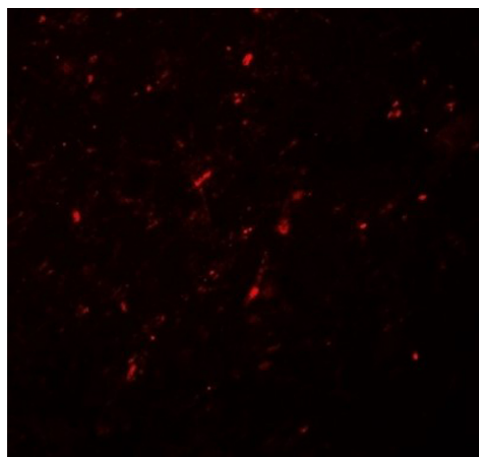
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

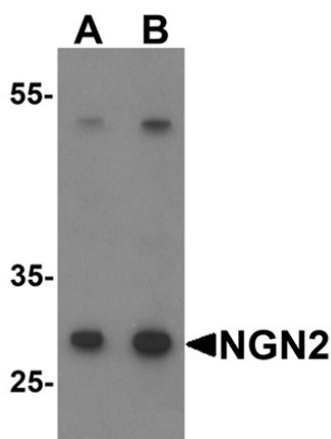
Images

**Immunofluorescence Microscopy**

Immunofluorescence of NGN2.

Tissue: human brain tissue.

Primary Antibody: NGN2 antibody at 20 µg/mL.

**Western Blot**

Western blot analysis of NGN2.

Load: mouse small intestine tissue lysate.

Primary Antibody: NGN2 antibody at (A) 1 and (B) 2 µg/mL.

Disclaimer

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