

**Neurogenin3 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM8614b**

**Specification**

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**Neurogenin3 Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9Y4Z2</a>
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a,k
Calculated MW	23077

**Neurogenin3 Antibody - Additional Information**

**Gene ID** 50674

**Other Names**

Neurogenin-3, NGN-3, Class A basic helix-loop-helix protein 7, bHLHa7, Protein atonal homolog 5, NEUROG3, ATOH5, BHLHA7, NGN3

**Target/Specificity**

This Neurogenin3 antibody is generated from a mouse immunized with a recombinant protein between 1-214 amino acids from human Neurogenin3.

**Dilution**

WB~~1:4000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Neurogenin3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Neurogenin3 Antibody - Protein Information**

**Name** NEUROG3

**Synonyms** ATOH5, BHLHA7, NGN3

**Function** Acts as a transcriptional regulator. Together with NKX2-2, initiates transcriptional

activation of NEUROD1. Involved in neurogenesis. Also required for the specification of a common precursor of the 4 pancreatic endocrine cell types (By similarity).

#### Cellular Location

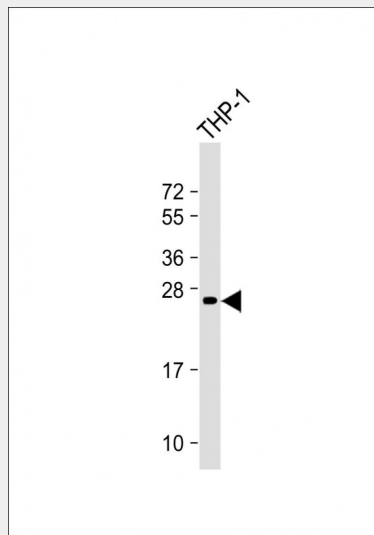
Nucleus {ECO:000255|PROSITE-ProRule:PRU00981}.

### Neurogenin3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Neurogenin3 Antibody - Images



Anti-Neurogenin3 Antibody at 1:4000 dilution + THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### Neurogenin3 Antibody - Background

Acts as a transcriptional regulator. Together with NKX2- 2, initiates transcriptional activation of NEUROD1. Involved in neurogenesis. Also required for the specification of a common precursor of the 4 pancreatic endocrine cell types (By similarity).

### Neurogenin3 Antibody - References

Ravassard P.,et al.Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.  
del Bosque-Plata L.,et al.Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Deloukas P.,et al.Nature 429:375-381(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.