

**NEUROG1 Antibody (monoclonal) (M06)**

Mouse monoclonal antibody raised against a partial recombinant NEUROG1.

Catalog # AT3025a

**Specification**

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**NEUROG1 Antibody (monoclonal) (M06) - Product Information**

Application	IF, WB
Primary Accession	<a href="#">O92886</a>
Other Accession	<a href="#">NM_006161</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	25718

**NEUROG1 Antibody (monoclonal) (M06) - Additional Information****Gene ID** 4762**Other Names**

Neurogenin-1, NGN-1, Class A basic helix-loop-helix protein 6, bHLHa6, Neurogenic basic-helix-loop-helix protein, Neurogenic differentiation factor 3, NeuroD3, NEUROG1, BHLHA6, NEUROD3, NGN, NGN1

**Target/Specificity**

NEUROG1 (NP\_006152, 82 a.a. ~ 163 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

NEUROG1 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

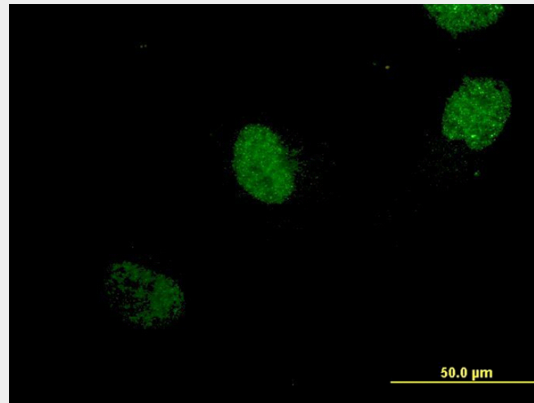
**NEUROG1 Antibody (monoclonal) (M06) - Protocols**

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

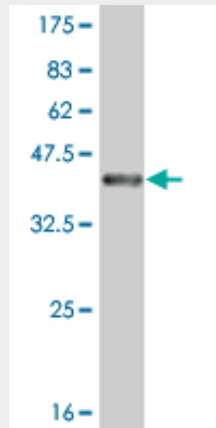
- [Western Blot](#)
- [Blocking Peptides](#)

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

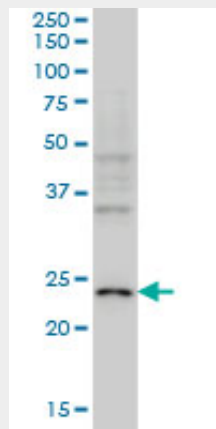
### NEUROG1 Antibody (monoclonal) (M06) - Images



Immunofluorescence of monoclonal antibody to NEUROG1 on HeLa cell. [antibody concentration 50 ug/ml]



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.76 KDa) .



NEUROG1 monoclonal antibody (M06), clone 4A2 Western Blot analysis of NEUROG1 expression in Hela S3 NE ( (Cat # AT3025a )

### **NEUROG1 Antibody (monoclonal) (M06) - References**

The basic helix-loop-helix region of human neurogenin 1 is a monomeric natively unfolded protein which forms a fuzzy complex upon DNA binding. Aguado-Llera D, et al. *Biochemistry*, 2010 Mar 2. PMID 20102160. Stable expression of neurogenin 1 induces LGR5, a novel stem cell marker, in an immortalized human neural stem cell line HB1.F3. Satoh J, et al. *Cell Mol Neurobiol*, 2010 Apr. PMID 19813087. Identification of new putative susceptibility genes for several psychiatric disorders by association analysis of regulatory and non-synonymous SNPs of 306 genes involved in neurotransmission and neurodevelopment. Gratac $\bar{a}$ s M, et al. *Am J Med Genet B Neuropsychiatr Genet*, 2009 Sep 5. PMID 19086053. Basic helix-loop-helix transcription factor NEUROG1 and schizophrenia: effects on illness susceptibility, MRI brain morphometry and cognitive abilities. Ho BC, et al. *Schizophr Res*, 2008 Dec. PMID 18799289. Association of autism with polymorphisms in the paired-like homeodomain transcription factor 1 (PITX1) on chromosome 5q31: a candidate gene analysis. Philippi A, et al. *BMC Med Genet*, 2007 Dec 6. PMID 18053270.