10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NEUROG1 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant NEUROG1.
Catalog # AT3025a

Specification

NEUROG1 Antibody (monoclonal) (M06) - Product Information

Application	**IF, WB**
Primary Accession	Q92886
Other Accession	NM_006161
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

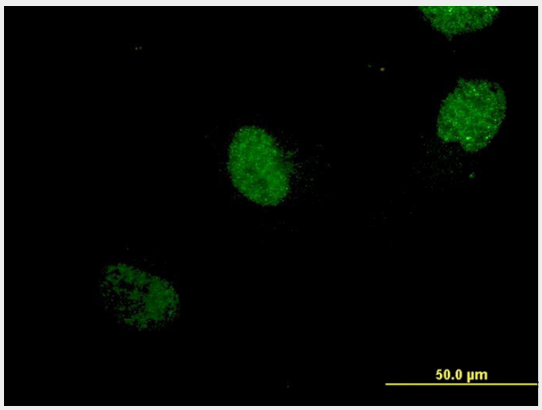
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

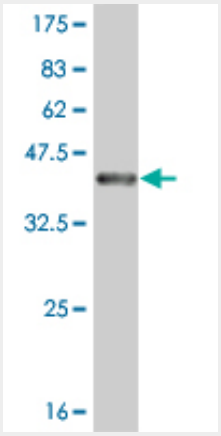
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

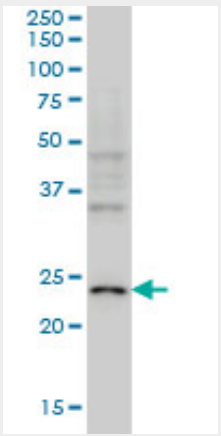
NEUROG1 Antibody (monoclonal) (M06) - Images



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) .



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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□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.