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NEUROG1 Antibody (monoclonal) (M06)

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

Product Information

Application	WB, IF
Primary Accession	Q92886
Other Accession	NM_006161
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4A2
Calculated MW	25718

Additional Information

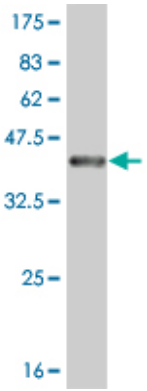
Gene ID	4762
Other Names	Neurogenin-1, NGN-1, Class A basic helix-loop-helix protein 6, bHLHa6, Neurogenic basic-helix-loop-helix protein, Neurogenic differentiation factor 3, NeuroD3, NEUROG1, BHLHA6, NEUROD3, NGN, NGN1
Target/Specificity	NEUROG1 (NP_006152, 82 a.a. ~ 163 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
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.

References

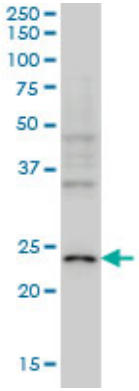
The basic helix-loop-helix region of human neurogenin 1 is a monomeric natively unfolded protein which forms a fuzzy complex upon DNA binding. Aguado-Llera D, et al. Biochemistry, 2010 Mar 2. PMID 20102160. Stable expression of neurogenin 1 induces LGR5, a novel stem cell marker, in an immortalized human 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簷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.

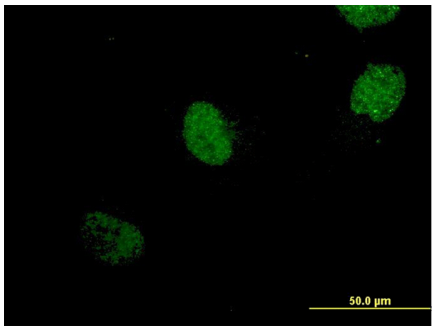
Images



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)



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.