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Neurogenin3 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8614b

Product Information

Application	WB, E
Primary Accession	Q9Y4Z2
Reactivity	Human
Predicted	Mouse, Bovine, Canine
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a,k
Clone Names	1800CT113.128.46
Calculated MW	23077

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 E~~Use at an assay dependent concentration.
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.

Protein Information

Name	NEUROG3
Synonyms	ATOH5, BHLHA7, NGN3
Function	Is a transcriptional regulator involved in the control of enteroendocrine cell differentiation (PubMed:21378176). Together with NKX2-2, initiates transcriptional activation of NEUROD1 (PubMed:16855267,

PubMed:21378176). 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:0000255|PROSITE-ProRule:PRU00981}.

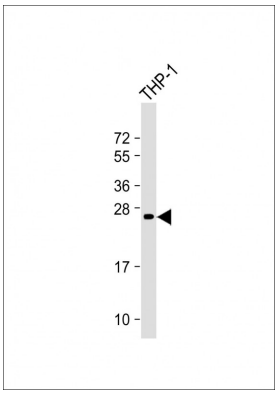
Background

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).

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.

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% NFDM/TBST.

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