NEUROG2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NEUROG2, Polyclonal Antibody
Full Product Name	NEUROG2 Antibody, FITC conjugated
Product Gene Name	anti-NEUROG2 antibody
Product Synonym Names	Neurogenin-2; NGN-2; Class A basic helix-loop-helix protein 8; bHLHa8; Protein atonal homolog 4; NEUROG2; ATOH4; BHLHA8; NGN2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: NEUROG2 (MBS7051469) FITC Conjugated Antibody: NEUROG2 (MBS7051471)
Molecular Weight	28,621 Da
OMIM	BC036847 mRNA
3D Structure	ModBase 3D Structure for Q9H2A3
Immunogen	Recombinant Human Neurogenin-2 protein (194-262AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	FITC
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-19232 / sc-19233 / sc-50402
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NEUROG2 antibody	ELISA (EIA)
Related Product Information for anti-NEUROG2 antibody	Transcriptional regulator. Involved in neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3').
Other Notes	Small volumes of anti-NEUROG2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NEUROG2 purchase	MBS7051471 is an antibody targeting NEUROG2. Also known as NEUROG2 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEUROG2. It may not necessarily be applicable to this product.

NCBI GI #	31077092
NCBI GeneID	63973
NCBI Accession #	NP_076924.1
UniProt Primary Accession #	Q9H2A3
UniProt Secondary Accession #	Q8N416
UniProt Related Accession #	Q9H2A3
GenBank Nucleotide #	NM_024019.3
NCBI Official Full Name	neurogenin-2
NCBI Official Synonym Full Names	neurogenin 2
NCBI Official Symbol	NEUROG2
NCBI Official Synonym Symbols	NGN2; Atoh4; ngn-2; Math4A; bHLHa8
UniProt Protein Name	Neurogenin-2
UniProt Synonym Protein Names	Class A basic helix-loop-helix protein 8; bHLHa8; Protein atonal homolog 4
Protein Family	Neurogenin
UniProt Gene Name	NEUROG2
UniProt Synonym Gene Names	ATOH4; BHLHA8; NGN2; NGN-2; bHLHa8
UniProt Entry Name	NGN2_HUMAN
NCBI Protein Information	neurogenin-2
NCBI Summary for NEUROG2	This gene encodes a neural-specific basic helix-loop-helix (bHLH) transcription factor that can specify a neuronal fate on ectodermal cells and is expressed in neural progenitor cells within the developing central and peripheral nervous systems. The protein product of this gene also plays a role in the differentiation and survival of midbrain dopaminergic neurons. [provided by RefSeq, Apr 2012]
UniProt Comments for NEUROG2	neurogenin 2: Transcriptional regulator. Involved in neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Protein type: Transcription factor Chromosomal Location of Human Ortholog: 4q25 Biological Process: positive regulation of transcription factor activity
Research Articles on NEUROG2	**1.** Study shows neurogenin 2 enhances the generation of patient-specific induced neuronal cells.
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