

Rabbit anti-Human NEUROD1 Polyclonal Antibody | anti-NEUROD1 antibody

NEUROD1 Antibody

CATALOG # AAA233349	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, ELISA
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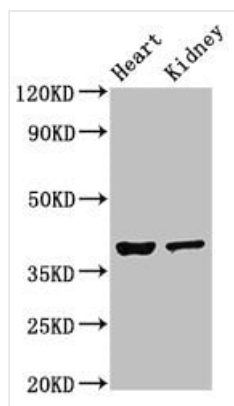
PRODUCT SYNONYMS

NEUROD1; Polyclonal Antibody; NEUROD1 Antibody; Neurogenic differentiation factor 1; NeuroD; NeuroD1; Class A basic helix-loop-helix protein 3; bHLHa3; BHLHA3; NEUROD; anti-NEUROD1 antibody

PRODUCT SPECIFICATIONS

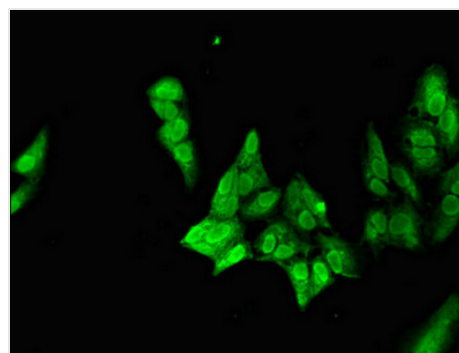
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	356
Applicable Applications for anti-NEUROD1 antibody	IF (Immunofluorescence), ELISA
Immunogen	Recombinant Human Neurogenic differentiation factor 1 protein (154-356AA)
Conjugation	Non-conjugated
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



WB (Western Blot)

Western BlotPositive WB detected in: Mouse heart tissue,Mouse kidney tissueAll lanes: NEUROD1 antibody at 4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 40 KDaObserved band size: 40 KDa



IF (Immunofluorescence)

Immunofluorescent analysis of Hela cells using AAA233349 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL INFORMATION

Related Product Information for anti-NEUROD1 antibody	Acts as a transcriptional activator: mediates transcriptional activation by binding to E box-containing promoter consensus core sequences 5'-CANNTG-3'. Associates with the p300/CBP transcription coactivator complex to stimulate transcription of the secretin gene as well as the gene encoding the cyclin-dependent kinase inhibitor CDKN1A. Contributes to the regulation of several cell differentiation pathways, like those that promote the formation of early retinal ganglion cells, inner ear sensory neurons, granule cells forming either the cerebellum or the dentate gyrus cell layer of the hippocampus, endocrine islet cells of the pancreas and enteroendocrine cells of the small intestine. Together with PAX6 or SIX3, is required for the regulation of amacrine cell fate specification. Also required for dendrite morphogenesis and maintenance in the cerebellar cortex. Associates with chromatin to enhancer regulatory elements in genes encoding key transcriptional regulators of neurogenesis (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121114306
NCBI GeneID	4760
NCBI Accession #	NP_002491.2
NCBI GenBank Nucleotide #	NM_002500.4
UniProt Accession #	Q13562; O00343; Q13340; Q5U095; Q96TH0; Q99455; Q9UEC8; B2R9I8; F1T0E1
Molecular Weight	39,920 Da
NCBI Official Full Name	neurogenic differentiation factor 1
NCBI Official Synonym Full Names	neuronal differentiation 1
NCBI Official Symbol	NEUROD1
NCBI Official Synonym Symbols	BETA2; BHF-1; MODY6; NEUROD; bHLHa3
NCBI Protein Information	neurogenic differentiation factor 1
UniProt Protein Name	Neurogenic differentiation factor 1
UniProt Gene Name	NEUROD1
UniProt Synonym Gene Names	BHLHA3; NEUROD; NeuroD; NeuroD1; bHLHa3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.