

Rabbit NEUROG1 Polyclonal Antibody | anti-NEUROG1 antibody

NEUROG1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326915	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

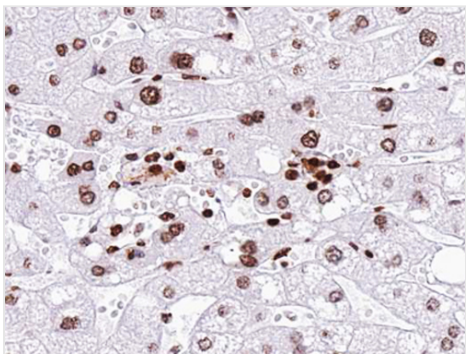
PRODUCT SYNONYMS

NEUROG1; Polyclonal Antibody; NEUROG1 Antibody; AKA; Ath4c; bHLHa6; Class A basic helix-loop-helix protein 6; Helix loop helix protein MATH 4C; MATH4C; NeuroD3; Neurog 1; Neurog1; Neurogenic basic helix loop helix protein; Neurogenic basic-helix-loop-helix protein; Neurogenic differentiation 3; Neurogenic differentiation factor 3; Neurogenin-1; Neurogenin1; Ngn; NGN-1; Ngn1; NGN1_HUMAN; anti-NEUROG1 antibody

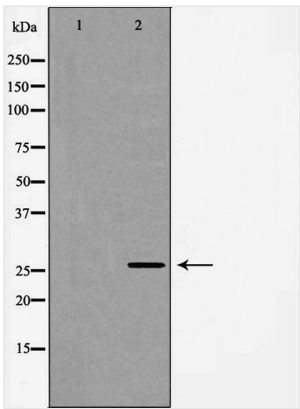
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NEUROG1 antibody detects endogenous levels of total NEUROG1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	237
Applicable Applications for anti-NEUROG1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human NEUROG1
Subcellular Location	Nucleus.
Tissue Specificity	Expression restricted to the embryonic nervous system.
Predicted Cross Reactivity	Pig, Bovine, Rabbit, Dog
Similarity	Pig (100%), Bovine (89%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326915 at 1/100 staining human liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Mouse liver, using NEUROG1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NEUROG1 antibody	Description: Neurogenin-1 is a protein that in humans is encoded by the NEUROG1 gene. Acts as a transcriptional regulator. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Associates with chromatin to enhancer regulatory elements in genes encoding key transcriptional regulators of neurogenesis. NEUROG1 has been shown to interact with CREB-binding protein and decapentaplegic homolog 1. Function: Acts as a transcriptional regulator. Involved in the initiation of neuronal differentiation. Activates transcription by binding to the E box (5'-CANNTG-3'). Associates with chromatin to enhancer regulatory elements in genes encoding key transcriptional regulators of neurogenesis (By similarity). Subunit Structure: Efficient DNA binding requires dimerization with another bHLH protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38455396
NCBI GeneID	4762
NCBI Accession #	NP_006152.2
NCBI GenBank Nucleotide #	NM_006161.2
UniProt Accession #	Q92886; Q5U0Q9; Q96HE1
Molecular Weight	Observed: 26 kDa Predicted: 26 kDa
NCBI Official Full Name	neurogenin-1
NCBI Official Synonym Full Names	neurogenin 1
NCBI Official Symbol	NEUROG1
NCBI Official Synonym Symbols	AKA; ngn1; Math4C; bHLHa6; NEUROD3
NCBI Protein Information	neurogenin-1
UniProt Protein Name	Neurogenin-1
UniProt Gene Name	NEUROG1
UniProt Synonym Gene Names	BHLHA6; NEUROD3; NGN; NGN1; NGN-1; bHLHa6; NeuroD3

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.

