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# anti-NEUROD1 antibody (AA 154-356)

2 Images



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# Overview

Quantity:	100 μg
Target:	NEUROD1
Binding Specificity:	AA 154-356
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEUROD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

# **Product Details**

Immunogen:	Recombinant Human Neurogenic differentiation factor 1 protein (154-356AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

# Target Details

Target:	NEUROD1
Alternative Name:	NEUROD1 (NEUROD1 Products)
Background:	Background: 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). Aliases: atonal antibody, basic helix loop helix transcription factor antibody, BETA 2 antibody, Beta cell E box transactivator 2 antibody, BETA2 antibody, BHF 1 antibody, BHF1 antibody, bHLHa3 antibody, class A basic helix loop helix protein 3 antibody, Class A basic helix-loop-helix protein 3 antibody, MODY 6 antibody, MODY6 antibody, NDF1\_HUMAN antibody, NeuroD antibody, NeuroD1 antibody, Neurogenic differentiation 1 antibody, Neurogenic differentiation factor 1 antibody, neurogenic helix loop helix protein NEUROD antibody, Neuronal differentiation 1 antibody

UniProt: Q13562

Pathways: Dopaminergic Neurogenesis, Hormone Transport, Carbohydrate Homeostasis

## Application Details

Application Notes: Recommended dilution: WB:1:200-1:2000, IF:1:50-1:200,

Restrictions: For Research Use only

# Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300

Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

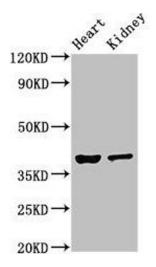
Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

handled by trained staff only.

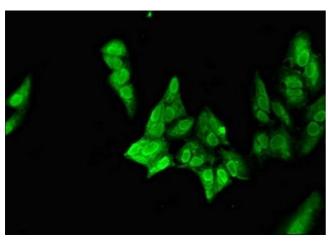
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



# **Western Blotting**

**Image 1.** Western Blot Positive WB detected in: Mouse heart tissue, Mouse kidney tissue All lanes: NEUROD1 antibody at  $4 \mu g/mL$  Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 40 kDa Observed band size: 40 kDa



## **Immunofluorescence**

**Image 2.** Immunofluorescent analysis of Hela cells using ABIN7161282 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)