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Datasheet for ABIN7180052  
**anti-NEUROD1 antibody (Ser272)**

1 Image

Overview

Quantity:	100 µL
Target:	NEUROD1
Binding Specificity:	Ser272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEUROD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized non-phosphopeptide derived from Human Neuro D around the phosphorylation site of serine 272 (P-L-S(p)-P-P).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	NEUROD1
Alternative Name:	NEUROD1 ( <a href="#">NEUROD1 Products</a> )

## Target Details

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**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.

Tamimi R., Genomics 34:418-421(1996).

Yokoyama M., Brain Res. Mol. Brain Res. 42:135-139(1996).

Miyachi T., Brain Res. Mol. Brain Res. 69:223-231(1999)

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

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**UniProt:** [Q13562](#)

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**Pathways:** [Dopaminergic Neurogenesis](#), [Hormone Transport](#), [Carbohydrate Homeostasis](#)

## Application Details

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**Application Notes:** WB:1:500-1:3000,

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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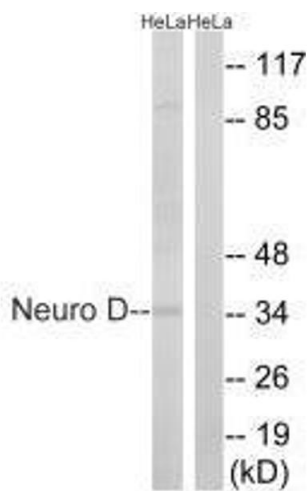
**Buffer:** Rabbit IgG in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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## Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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.

## Images



### Western Blotting

**Image 1.** Western blot analysis of extracts from HeLa cells, using Neuro D (Ab-274) antibody.