Datasheet for ABIN3031978

anti-NEUROD1 antibody (AA 318-348)

2 Images

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Overview

Quantity:	0.4 mL
Target:	NEUROD1
Binding Specificity:	AA 318-348
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEUROD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 318-348 from the human protein was used as the immunogen for this NeuroD1 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	NEUROD1
Alternative Name:	NeuroD1 (NEUROD1 Products)
Background:	NeuroD1 is a transcriptional activator that acts as a differentiation factor during neurogenesis. It has been demonstrated to bind to the insulin gene E-box. Efficient DNA binding requires dimerization with another basic helix-loop-helix (bHLH) protein. Defects in NEUROD1 are a

Target Details

	cause of maturity onset diabetes of the young type VI (MODY6). MODY6 is a form of non-insulin-dependent diabetes mellitus characterized by an autosomal dominant mode of inheritance, onset during young adulthood and a primary defect in insulin secretion.
UniProt:	Q13562
Pathways:	Dopaminergic Neurogenesis, Hormone Transport, Carbohydrate Homeostasis

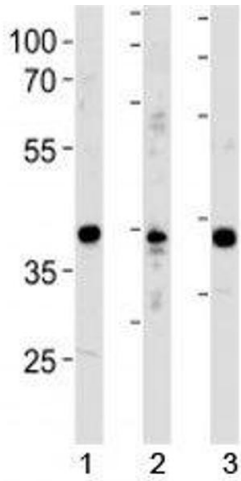
Application Details

Application Notes:	Titration of the NeuroD1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

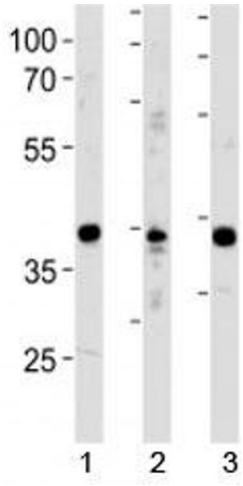
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the NeuroD1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. NeuroD1 antibody western blot analysis in 1) Y79 cell line, 2) mouse cerebellum and 3) rat brain tissue lysate.



Western Blotting

Image 2. NeuroD1 antibody western blot analysis in 1) Y79 cell line, 2) mouse cerebellum and 3) rat brain tissue lysate.