



[Go to Product page](#)

Datasheet for ABIN3021548
anti-NEUROD1 antibody (AA 1-70)

2 Images

Overview

Quantity:	100 µL
Target:	NEUROD1
Binding Specificity:	AA 1-70
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEUROD1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-70 of human NEUROD1 (NP_002491.2).
Sequence:	MTKSYSESGL MGEPQPQGPP SWTDECLSSQ DEEHEADKKE DDLEAMNAEE DSLRNGGEEE DEDEDLEEEE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	NEUROD1
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Target Details

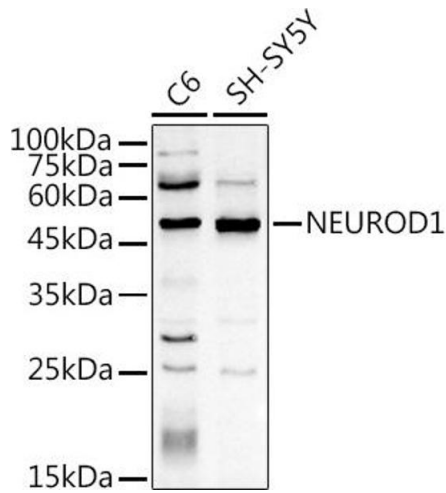
Alternative Name:	NEUROD1 (NEUROD1 Products)
Background:	This gene encodes a member of the NeuroD family of basic helix-loop-helix (bHLH) transcription factors. The protein forms heterodimers with other bHLH proteins and activates transcription of genes that contain a specific DNA sequence known as the E-box. It regulates expression of the insulin gene, and mutations in this gene result in type II diabetes mellitus.,NEUROD1,BETA2,BHF-1,MODY6,NEUROD,bHLHa3,Epigenetics & Nuclear Signaling,Transcription Factors,Cancer,Endocrine & Metabolism,Endocrine and metabolic diseases,Diabetes,Neuroscience,Cell Type Marker,Cardiovascular,Heart,Cardiovascular diseases,Heart disease,Neural Stem Cell marker,NEUROD1
Molecular Weight:	39 kDa
Gene ID:	4760
UniProt:	Q13562
Pathways:	Dopaminergic Neurogenesis , Hormone Transport , Carbohydrate Homeostasis

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

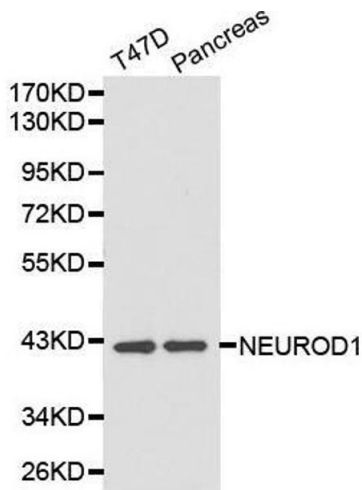
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using NEUROD1 antibody (ABIN3021547, ABIN3021548, ABIN3021549, ABIN1513255 and ABIN6215228) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Western Blotting

Image 2.