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anti-NEUROD1 antibody (C-Term)



Image



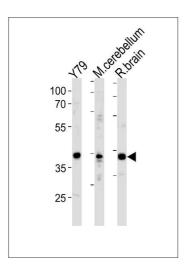
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Quantity:	400 μL	
Target:	NEUROD1	
Binding Specificity:	AA 318-348, C-Term	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This NEUROD1 antibody is un-conjugated	
Application:	Western Blotting (WB)	
Product Details		
Immunogen:	This NeuroD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 318-348 amino acids from the C-terminal region of human NeuroD1.	
Clone:	RB02904	
Isotype:	lg Fraction	
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by	
	dialysis against PBS.	
Target Details		
Target:	NEUROD1	
Alternative Name:	NeuroD1 (NEUROD1 Products)	

Target Details

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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 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.	
Molecular Weight:	39920	
Gene ID:	4760	
NCBI Accession:	NP_002491	
UniProt:	Q13562	
Pathways:	Dopaminergic Neurogenesis, Hormone Transport, Carbohydrate Homeostasis	
Application Details		
Application Notes:	WB: 1:1000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	



Western Blotting

Image 1. NeuroD1 Antibody (ABIN388766 and ABIN2839060) western blot analysis in Y79 cell line ,mouse cerebellum and rat brain tissue lysates (35 μg/lane). This demonstrates the NeuroD1 antibody detected the NeuroD1 protein (arrow).