For Research Use Only

NEUROD1 Polyclonal antibody Catalog Number: 12081-1-AP Featured Product 17 Publ

17 Publications



Basic Information	Catalog Number: 12081-1-AP	GenBank Accession Nur BC009046	nber:	Purification Method: Antigen affinity purification	
	Size:	ul, Concentration: 550 ug/ml by 4760 odrop and 467 ug/ml by Bradford UNIPROT ID: hod using BSA as the standard; Q13562 ce: Full Name:		Recommended Dilutions:	
	150ul, Concentration: 550 ug/ml by			WB: 1:500-1:1000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:50-1:500 IF-P: 1:50-1:500	
	method using BSA as the standard;				
	Source: Rabbit				
	Isotype: IgG	Calculated MW: 356 aa, 40 kDa			
	Immunogen Catalog Number: AG2713	Observed MW: 50 kDa			
Applications	Tested Applications:	1	Positive Controls:		
	WB, IHC, IF-P, IP, ELISA WB : Y79 Cited Applications: tissue			cells, mouse pancreas tissue, rat pancreas	
	WB, IHC, IF		P: Y79 cells,		
	Species Specificity: human, mouse, rat		IHC : rat brain tissue, human pancreas cancer ti mouse brain tissue		
	Cited Species: human, mouse, rat		IF-P : mouse b		
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen			
	bujjer pri 0.0				
Background Information	NeuroD is a member of the basic heli (bHLH) proteins are transcription factor determination, terminal differentiati MyoD, myf5, myogenin and MRF4, all proteins and binding to the canonical neurons in the central and peripheral neurons. Moreover, ectopic expressio precursors and Neuro D can convert pr in severe defects in development. Hu	ors that are required for s on and sex determination have bHLH domains. The E-box sequence CANNTO nervous systems at the t n of Neuro D in Xenopus resumptive epidermal ce man mutations have been conset diabetes of the you	everal aspect n. Members of se proteins fu G. Neuro D is e ime of their to embryos indu ells into neuro en linked to a bung. The calc		
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Background Information Notable Publications Storage	NeuroD is a member of the basic heli (bHLH) proteins are transcription factor determination, terminal differentiati MyoD, myf5, myogenin and MRF4, all proteins and binding to the canonical neurons in the central and peripheral neurons. Moreover, ectopic expression precursors and Neuro D can convert prin in severe defects in development. Hu type I diabetes mellitus and maturity 39 kDa, but the modified NEUROD1 p Author Pub Gwyneth M Welch 361 Jianwei Xie 330 Kaitlin Ching 329 Storage: Storage Storage Buffer: PBS with 0.02% sodium azide and 50	ors that are required for s on and sex determination have bHLH domains. The E-box sequence CANNTG nervous systems at the t n of Neuro D in Xenopus of resumptive epidermal ce man mutations have bee r-onset diabetes of the your rotein is about 45-50 kDa med ID Journal 70369 Sci Adv 133581 Comput 131487 PLoS Bio er shipment.	everal aspect n. Members of se proteins fu G. Neuro D is e ime of their tr embryos indu ills into neuro en linked to a bung. The calc a.	ts of development, including cell type f the myogenic determination family, unction by forming heterodimers with E- expressed transiently in a subset of erminal differentiation into mature ces premature differentiation of neurona ons.The Lack of NeuroD in the brain results number of types of diabetes including culated molecular weight of NEUROD1 is Application IF thnol J IHC,WB	
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12081-1-AP (NEUROD1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-NEUROD1 (IP:12081-1-AP, 3ug; Detection:12081-1-AP 1:200) with Y79 cells lysate 2000ug.



Immunohistochemical analysis of paraffinembedded rat brain tissue slide using 12081-1-AP (NEUROD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 12081-1-AP (NEUROD1 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated Goat Anti-Rabbit IgG(H+L).