

For Research Use Only

NEUROD2 Monoclonal antibody

Catalog Number: 68284-1-Ig



Basic Information

Catalog Number: 68284-1-Ig	GenBank Accession Number: BC022481	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4761	CloneNo.: 2C7B3
Source: Mouse	UNIPROT ID: Q15784	Recommended Dilutions: WB 1:1000-1:8000
Isotype: IgG1	Full Name: neurogenic differentiation 2	
Immunogen Catalog Number: AG26068	Calculated MW: 41 kDa	
	Observed MW: 41-50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : pig brain tissue, mouse cerebellum tissue, rabbit brain tissue, rat brain tissue, mouse brain tissue, pig cerebellum tissue, rabbit cerebellum tissue, rat cerebellum tissue
Species Specificity: Human, mouse, pig	

Background Information

NEUROD2 (Neurogenic differentiation factor 2), is transcriptional regulator that regulates early neuronal differentiation during development (PMID: 7754368). NeuroD2 is expressed in the postnatal cortex and mediate the activity-dependent refinement of thalamocortical axon terminals (PMID: 17453014). NeuroD2 is mainly involved in the development of the cerebellar and hippocampal granular neurons, neurons in the basolateral nucleus of amygdala and the hypothalamic-pituitary axis. Mutations in NEUROD2 can cause neurodevelopmental disorders including intellectual disability and autism spectrum disorders (PMID: 34188164).

Storage

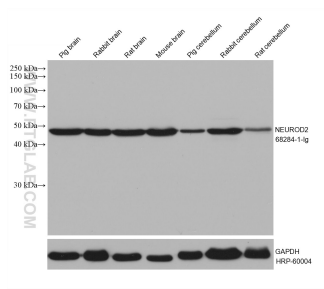
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

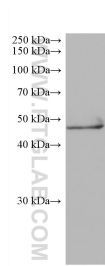
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68284-1-ig (NEUROD2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 68284-1-ig (NEUROD2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.