

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 µg/ml by Nanodrop;	GeneID (NCBI): 4761	CloneNo.: 2C7B3
Source: Mouse	Full Name: neurogenic differentiation 2	Recommended Dilutions: WB 1:1000-1:8000
Isotype: IgG1	Calculated MW: 41 kDa	
Immunogen Catalog Number: AG26068	Observed MW: 41-50 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

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

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

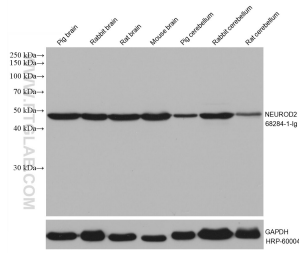
For technical support and original validation data for this product please contact:

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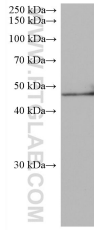
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Selected Validation Data



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.