

For Research Use Only

# NEUROD2 Monoclonal antibody

Catalog Number: 68284-1-Ig



## Basic Information

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

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
Human, mouse, pig

**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

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

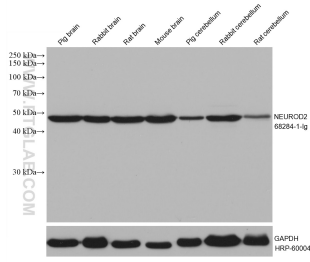
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

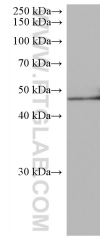
W: [ptgcn.com](http://ptgcn.com)

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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.