

For Research Use Only

# NEUROG1 Monoclonal antibody

Catalog Number: 66642-1-Ig



## Basic Information

<b>Catalog Number:</b> 66642-1-Ig	<b>GenBank Accession Number:</b> BC008687	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4762	<b>CloneNo.:</b> 1E1H6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q92886	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF-P 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> neurogenin 1	
<b>Immunogen Catalog Number:</b> AG26438	<b>Calculated MW:</b> 237 aa, 26 kDa	
	<b>Observed MW:</b> 20-25 kDa	

## Applications

<b>Tested Applications:</b> WB, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> HEK-293 cells, Y79 cells, Neuro-2a cells, HeLa cells, mouse brain tissue
	<b>IF-P :</b> rat brain tissue,

## Background Information

NEUROG1, also named BHLHA6, NEUROD3, NGN, and NGN1, is a 237 amino acid protein, which is expressed in embryonic nervous system. NEUROG1 acts as a transcriptional regulator that is involved in the initiation of neuronal differentiation. It activates transcription by binding to the E box (5'-CANNTG-3'). NEUROG1 can associate with chromatin to enhance regulatory elements in genes encoding key transcriptional regulators of neurogenesis.

## Storage

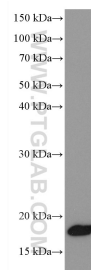
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

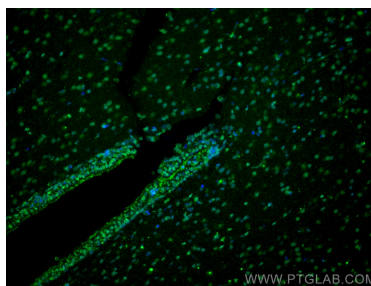
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 66642-1-Ig (NEUROG1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat brain tissue using NEUROG1 antibody (66642-1-Ig, Clone: 1E1H6 ) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).