

For Research Use Only

NEUROG1 Monoclonal antibody

Catalog Number: 66642-1-Ig



Basic Information

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

Applications

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

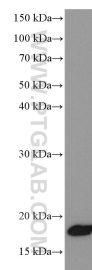
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

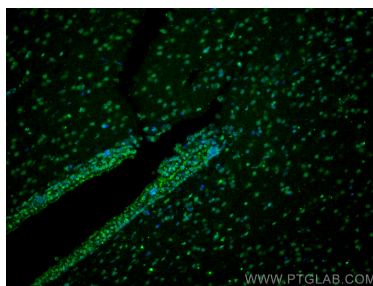
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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).