

For Research Use Only

NEUROG1 Monoclonal antibody

Catalog Number: 66642-1-Ig



Basic Information

Catalog Number:

66642-1-Ig

Concentration:

1100 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26438

GenBank Accession Number:

BC008687

GeneID (NCBI):

4762

UNIPROT ID:

Q92886

Full Name:

neurogenin 1

Calculated MW:

237 aa, 26 kDa

Observed MW:

20-25 kDa

Purification Method:

Protein A purification

CloneNo.:

1E1H6

Recommended Dilutions:

WB 1:1000-1:4000

IF-P 1:400-1:1600

Applications

Tested Applications:

WB, IF-P, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

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

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

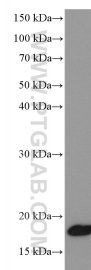
T: 4006900926

E: Proteintech-CN@ptglab.com

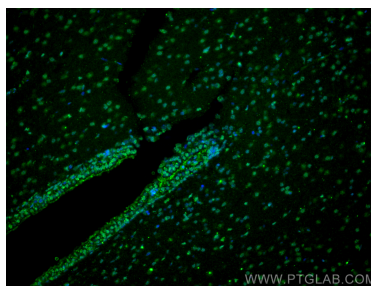
W: ptgcn.com

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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).