

BRN2 Polyclonal antibody

Catalog Number: 14596-1-AP

5 Publications

Basic Information

Catalog Number:

14596-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6131

GenBank Accession Number:

BC051699

GeneID (NCBI):

5454

UNIPROT ID:

P20265

Full Name:

POU class 3 homeobox 2

Calculated MW:

47 kDa

Observed MW:

47 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, Jurkat cells

IHC : mouse brain tissue, human gliomas tissue, human placenta tissue, human skin tissue, human spleen tissue, human ovary tissue

IF-P : mouse brain tissue, human gliomas tissue

Background Information

POU3F2 belongs to a large family of transcription factors that bind to the octameric DNA sequence ATGCAAAT. It shares a highly homologous region that referred to as the POU domain. POU3F2 is a Class III POU genes that expressed predominantly in the central nervous system (CNS). It is likely that CNS-specific transcription factors such as these play an important role in mammalian neurogenesis by regulating their diverse patterns of gene expression. POU3F2 is required for maintaining neural cell differentiation and has a role in the production and positioning of neocortical neurons.

Notable Publications

Author	Pubmed ID	Journal	Application
Qian Liu	34687039	FEBS Lett	WB
Brett Cornell	27288018	Neurosci Lett	IF
Tianxiang Tang	30709655	Neuron	IF

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

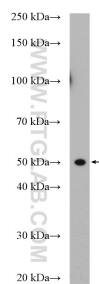
For technical support and original validation data for this product please contact:

T: 4006900926

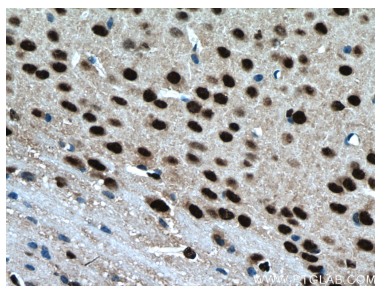
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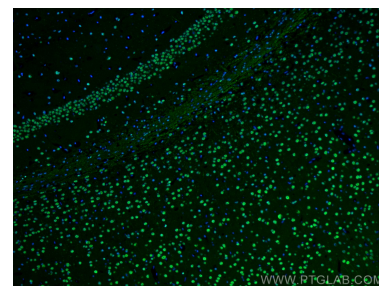
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 14596-1-AP (BRN2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14596-1-AP (BRN2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using BRN2 antibody (14596-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).