

For Research Use Only

BRN2 Polyclonal antibody

Catalog Number: 14596-1-AP **5 Publications**



Basic Information

Catalog Number: 14596-1-AP	GenBank Accession Number: BC051699	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5454	Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: POU class 3 homeobox 2	
Isotype: IgG	Calculated MW: 47 kDa	
Immunogen Catalog Number: AG6131	Observed MW: 47 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : HeLa cells, Jurkat cells
Cited Applications: IF, WB	IHC : mouse brain tissue, human gliomas tissue, human placenta tissue, human skin tissue, human spleen tissue, human ovary tissue
Species Specificity: human, mouse, rat	IF : mouse brain tissue, human gliomas tissue
Cited Species: rat, mouse	

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

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

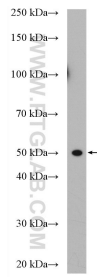
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

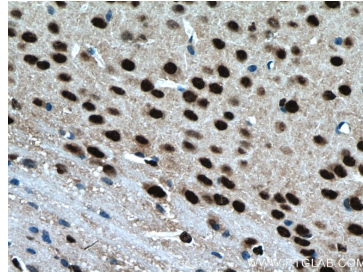
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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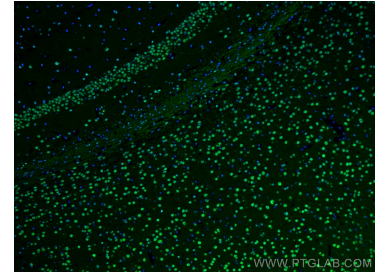
Selected Validation Data



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).