

For Research Use Only

BRN2-Specific Polyclonal antibody

Catalog Number: 18998-1-AP **3 Publications**



Basic Information

Catalog Number: 18998-1-AP	GenBank Accession Number: NM_005604	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5454	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: POU class 3 homeobox 2	
Isotype: IgG	Calculated MW: 47 kDa	
	Observed MW: 47 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls: WB : HeLa cells, A375 cells, HEK-293 cells IHC : mouse brain tissue,
Cited Applications: IF, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat	
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
Nereo Kalebic	30484771	Elife	IF
Justin P Norton	34016692	Genes Dev	WB
Nesrine Saeid El-Mezayen	36949616	CNS Neurosci Ther	WB

Storage

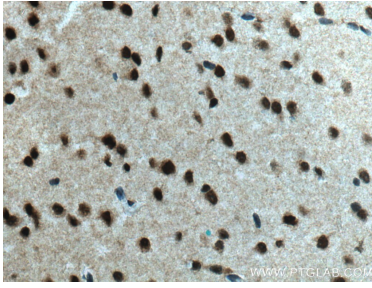
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

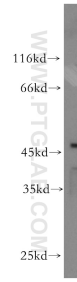
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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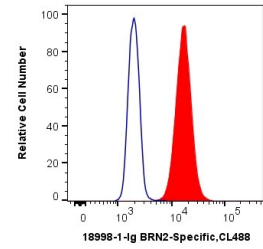
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 18998-1-AP (BRN2-Specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 18998-1-AP (BRN2-Specific antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



1X10⁶ HEK-293 cells were intracellularly stained with 0.4 ug Anti-Human BRN2-Specific (18998-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).