

For Research Use Only

BRN2-Specific Polyclonal antibody

Catalog Number: 18998-1-AP

3 Publications



Basic Information

Catalog Number:

18998-1-AP

Size:

150ul , Concentration: 500 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005604

GeneID (NCBI):

5454

UNIPROT ID:

P20265

Full Name:

POU class 3 homeobox 2

Calculated MW:

47 kDa

Observed MW:

47-54 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, FC (Intra), ELISA

Cited Applications:

WB, IF

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

Positive Controls:

WB : A375 cells, HEK-293 cells, HeLa cells, Jurkat cells

IHC : mouse brain 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
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

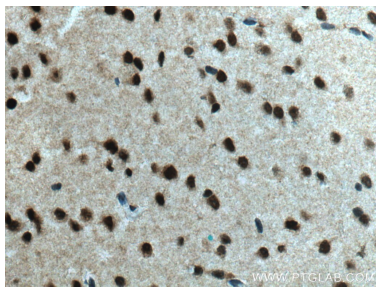
For technical support and original validation data for this product please contact:

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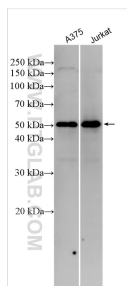
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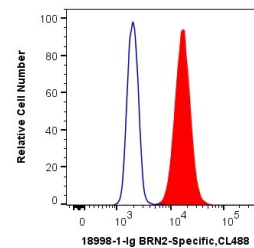
Selected Validation Data



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).



Various lysates were subjected to SDS PAGE followed by western blot with 18998-1-AP (BRN2-Specific antibody) at dilution of 1:1000 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).