

For Research Use Only

# CoraLite® Plus 488-conjugated BRN2 Polyclonal antibody

Catalog Number:CL488-14596



## Basic Information

<b>Catalog Number:</b> CL488-14596	<b>GenBank Accession Number:</b> BC051699	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5454	<b>Recommended Dilutions:</b> IF-P 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P20265	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> POU class 3 homeobox 2	
<b>Immunogen Catalog Number:</b> AG6131	<b>Calculated MW:</b> 47 kDa	
	<b>Observed MW:</b> 47 kDa	

## Applications

<b>Tested Applications:</b> IF-P	<b>Positive Controls:</b> IF-P : mouse brain tissue,
<b>Species Specificity:</b> human, mouse, rat	

## 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.

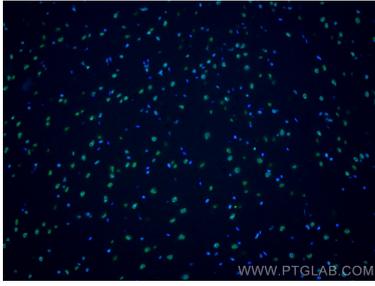
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

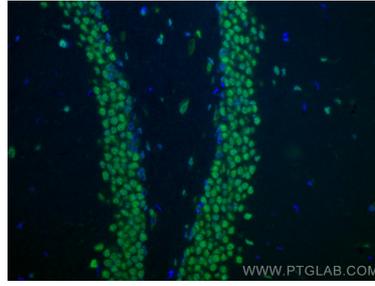
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 488 BRN2 antibody (CL488-14596) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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