

For Research Use Only

# NRBP2 Monoclonal antibody

Catalog Number: 66687-1-Ig



## Basic Information

<b>Catalog Number:</b> 66687-1-Ig	<b>GenBank Accession Number:</b> BC113873	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 340371	<b>CloneNo.:</b> 4F10H7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9NSYO	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:150-1:600 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Full Name:</b> nuclear receptor binding protein 2	
<b>Immunogen Catalog Number:</b> AG17011	<b>Calculated MW:</b> 501 aa, 58 kDa	
	<b>Observed MW:</b> 58 kDa, 33 kDa	

## Applications

**Tested Applications:**  
WB, IF, IHC, ELISA

**Species Specificity:**  
Human, Mouse, Rat, Pig

**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:** HEK-293 cells, pig brain tissue, A549 cells, HeLa cells, rat brain tissue, mouse brain tissue

**IHC:** mouse brain tissue,

**IF/ICC:** HEK-293 cells,

## Background Information

Nuclear receptor binding protein 2 (NRBP2), also named as TRG16, belongs to the Ser/Thr protein kinase family. NRBP2 can regulate apoptosis of neural progenitor cells during their differentiation. Expression of NRBP2 was up-regulated following differentiation in rodent neural stem/progenitor cells. It has 4 isoforms with MW of 58, 33, 36 and 14 kDa. Endogenous NRBP2 in HEK293 cells has an apparent molecular mass of 55-60 kD by SDS-PAGE.

## 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

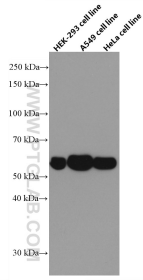
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

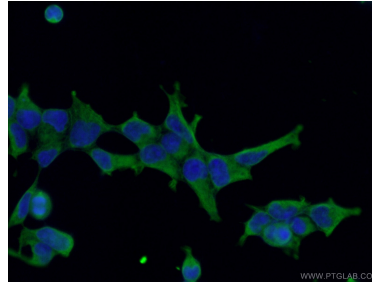
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

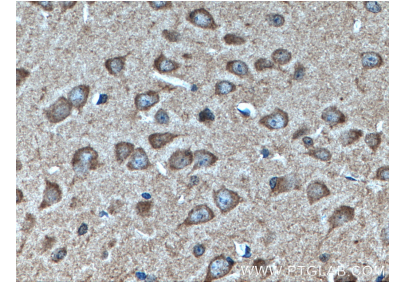
## Selected Validation Data



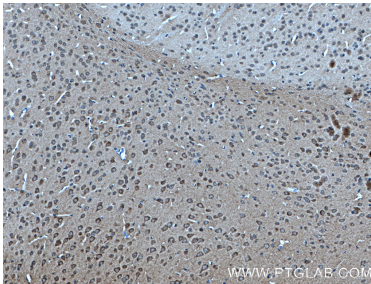
Various lysates were subjected to SDS PAGE followed by western blot with 66687-1-Ig (NRBP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 66687-1-Ig (NRBP2 antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66687-1-Ig (NRBP2 antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66687-1-Ig (NRBP2 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).