

# 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> 1300 µg/ml	<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

<b>Tested Applications:</b> IF/ICC, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse, Rat, Pig	<b>WB :</b> HEK-293 cells, pig brain tissue, A549 cells, HeLa cells, rat brain tissue, mouse brain tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse brain tissue, <b>IF/ICC :</b> HEK-293 cells,

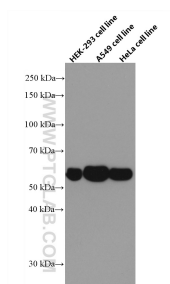
## Background Information

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.

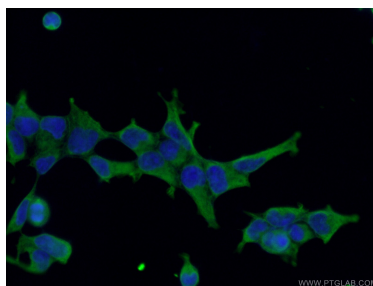
## Storage

**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

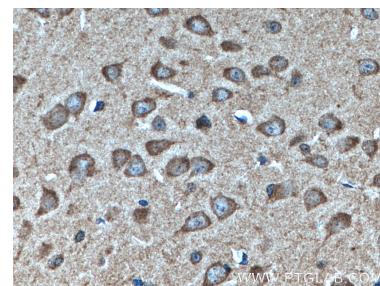
## Selected Validation Data



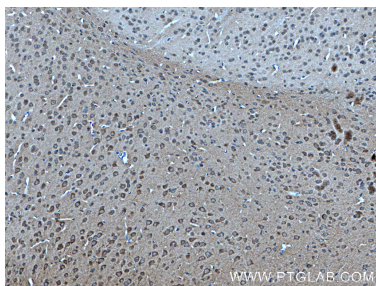
Various lysates were subjected to SDS PAGE followed by western blot with 66687-1-Ig (NRBP2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).