

For Research Use Only

# FXR2 Polyclonal antibody

Catalog Number: 12552-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

12552-1-AP

### Size:

500 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3402

### GenBank Accession Number:

BC020090

### GeneID (NCBI):

9513

### UNIPROT ID:

P51116

### Full Name:

fragile X mental retardation,  
autosomal homolog 2

### Calculated MW:

74 kDa

### Observed MW:

95 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 µg for 1.0-3.0 mg of total  
protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, RIP

### Species Specificity:

human, mouse

### Cited Species:

human

**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-293T cells, HeLa cells, human brain tissue,  
mouse brain tissue

**IP** : HeLa cells,

**IHC** : mouse brain tissue,

**IF/ICC** : HepG2 cells,

## Background Information

FXR2 (FMR1 autosomal homolog 2), also known as: FXR2P; Fxr2h, is belong to the Fragile X gene family. FXR2 is a mRNA-binding protein that acts as a regulator of mRNAs translation and/or stability, and which is required for adult hippocampal neurogenesis. Also, FXR2 acts as a regulator of adult hippocampal neurogenesis by regulating translation and/or stability of NOG mRNA, thereby preventing NOG protein expression in the dentate gyrus(Uniprot).

## Notable Publications

Author	Pubmed ID	Journal	Application
Belinda Baquero-Perez	31647415	Elife	RIP
Yongrong Liao	38652117	J Cell Biol	WB
Gui-Feng Zhou	37216506	Proc Natl Acad Sci U S A	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

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

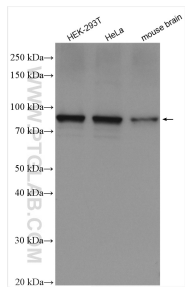
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

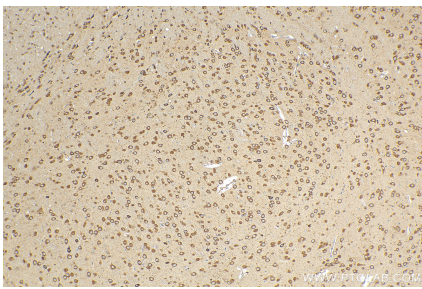
W: [ptgcn.com](http://ptgcn.com)

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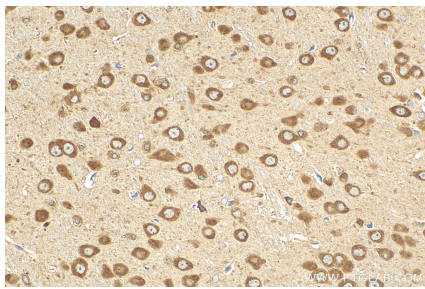
Selected Validation Data



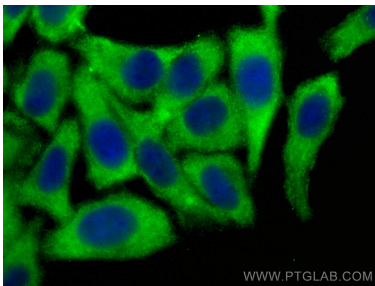
Various lysates were subjected to SDS PAGE followed by western blot with 12552-1-AP (FXR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



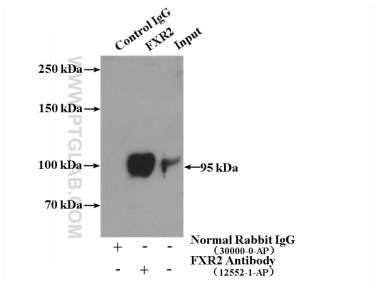
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12552-1-AP (FXR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12552-1-AP (FXR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using FXR2 antibody (12552-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



IP result of anti-FXR2 (IP:12552-1-AP, 4ug; Detection:12552-1-AP 1:500) with HeLa cells lysate 3200ug.