

For Research Use Only

FXR2 Polyclonal antibody

Catalog Number: 12552-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

12552-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

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 ug 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

*** 20ul sizes contain 0.1% BSA

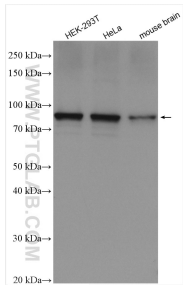
For technical support and original validation data for this product please contact:

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

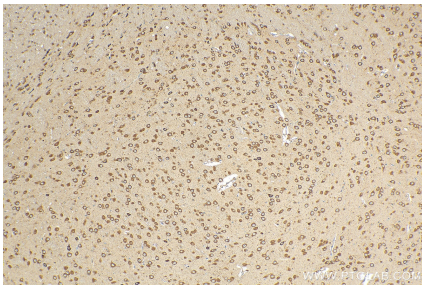
E: proteintech@ptglab.com
W: ptglab.com

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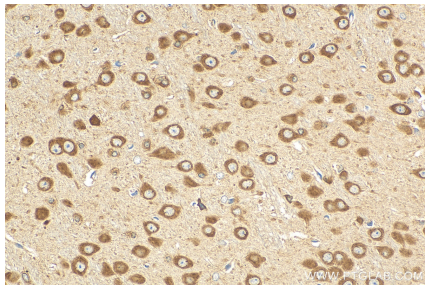
Selected Validation Data



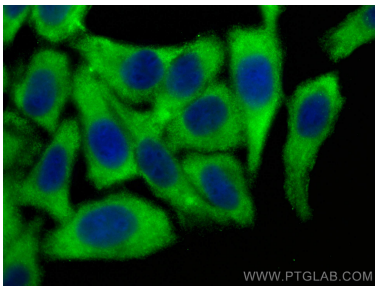
Various lysates were subjected to SDS PAGE followed by western blot with 12552-1-AP (FXR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



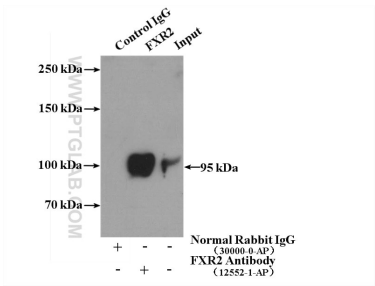
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12552-1-AP (FXR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.