

For Research Use Only

FXR2 Polyclonal antibody

Catalog Number: 12552-1-AP

Featured Product

6 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, IF, RIP

Species Specificity:

human, mouse

Cited Species:

human, mouse

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
Hanliang Sun	39800017	Int J Biol Macromol	WB,IF
Yong Wang	38802919	J Nanobiotechnology	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

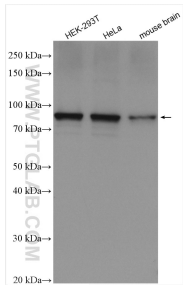
For technical support and original validation data for this product please contact:

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

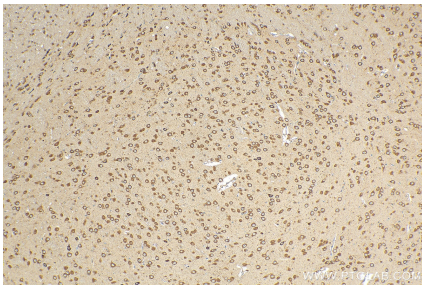
E: proteintech@ptglab.com
W: ptglab.com

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

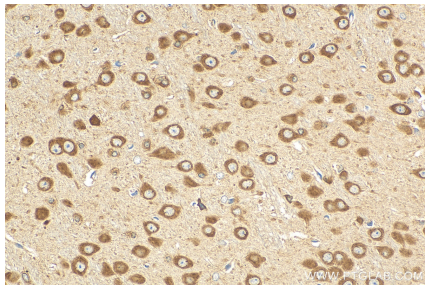
Selected Validation Data



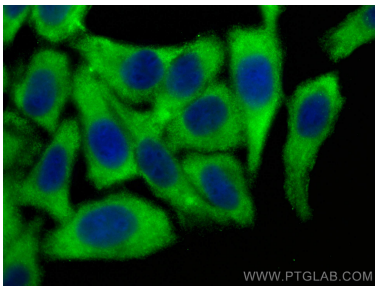
Various lysates were subjected to SDS PAGE followed by western blot with 12552-1-AP (FXR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



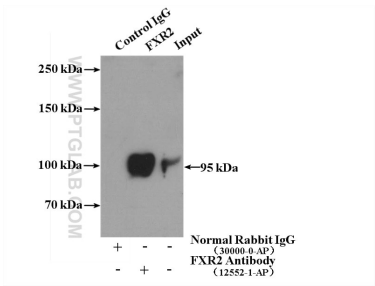
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12552-1-AP (FXR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.