For Research Use Only

FXR1 Monoclonal antibody

Catalog Number:67813-1-Ig Featured Product 2 Publications

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Basic Information

Catalog Number:
67813-1-Ig

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG27800

GenBank Accession Number:
BC028983

GeneID (NCBI):
8087

UNIPROT ID:
P51114

Full Name:
fragile X mental retardation, autosomal homolog 1

Calculated MW:
621 aa, 70 kDa

Observed MW:
70-80 kDa

Purification Method:
Protein A purification

CloneNo.:
1E12E8

Recommended Dilutions:
WB 1:5000-1:50000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:500-1:2000
IF-P 1:200-1:800
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat

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 : LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, 4T1 cells

IP : K-562 cells,

IHC : mouse brain tissue, human gliomas tissue

IF-P : mouse brain tissue,

IF/ICC : HeLa cells,

Background Information

Tumour necrosis factor-alpha (TNF-alpha) is a key mediator of inflammation in host defence against infection and in autoimmune disease. Its production is controlled post-transcriptionally by multiple RNA-binding proteins that interact with the TNF-alpha AU-rich element and regulate its expression; Fragile X mental retardation-related protein 1 (FXR1) is one of these. FXR1 (fragile-X-mental retardation-related protein 1) are RNA-binding proteins that have been demonstrated to impact miRNA-mediated, post-transcriptional gene regulation, and required for embryonic and postnatal development of muscle tissue. It can regulate intracellular transport and local translation of certain mRNAs. The FXR1 exists some isoforms with the MW 69 kDa and 60 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Kun Zhao	36466996	Oncol Lett	WB,IHC
Yujie Bai	38839561	Br J Pharmacol	WB

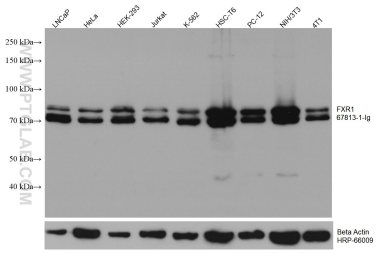
Storage

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

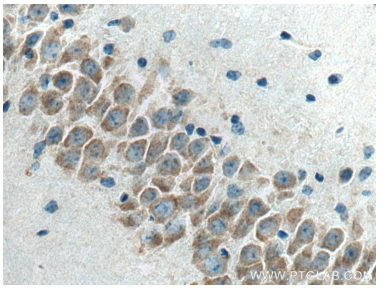
***** 20ul sizes contain 0.1% BSA**

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

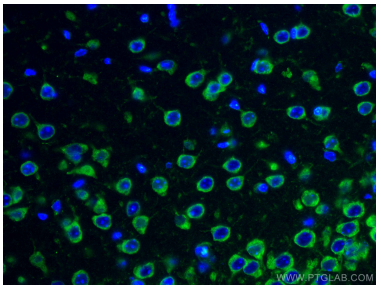
Selected Validation Data



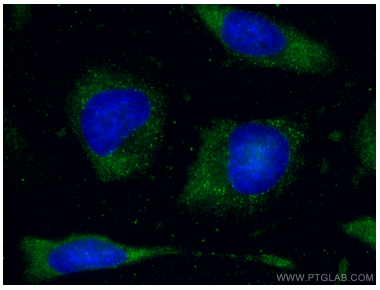
Various lysates were subjected to SDS PAGE followed by western blot with 67813-1-Ig (FXR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



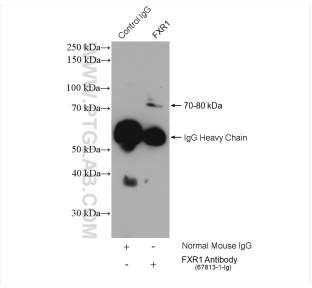
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67813-1-Ig (FXR1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



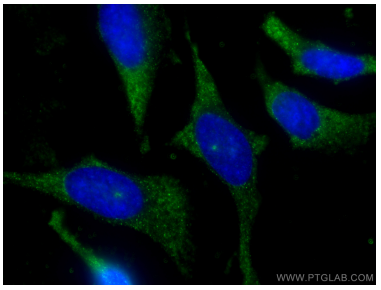
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using FXR1 antibody (67813-1-Ig, Clone: 1E12E8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using FXR1 antibody (67813-1-Ig, Clone: 1E12E8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



IP result of anti-FXR1 (IP:67813-1-Ig, 5ug; Detection:67813-1-Ig 1:1000) with K-562 cells lysate 3680 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using FXR1 antibody (67813-1-Ig, Clone: 1E12E8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).