

For Research Use Only

FXR1 Monoclonal antibody

Catalog Number: 67813-1-Ig **1 Publications**



Basic Information

Catalog Number: 67813-1-Ig	GenBank Accession Number: BC028983	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8087	CloneNo.: 1E12E8
Source: Mouse	Full Name: fragile X mental retardation, autosomal homolog 1	Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Isotype: IgG1	Calculated MW: 621 aa, 70 kDa	IHC 1:500-1:2000 IF 1:200-1:800
Immunogen Catalog Number: AG27800	Observed MW: 70-80 kDa	

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

Human, mouse, rat

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: 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: mouse brain tissue, 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

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

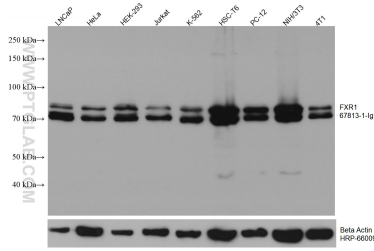
For technical support and original validation data for this product please contact:

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

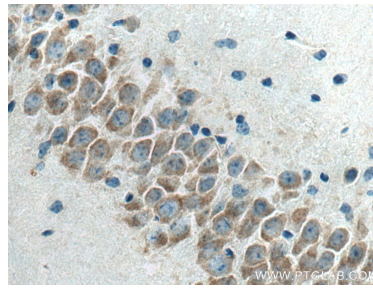
E: proteintech@ptglab.com
W: ptglab.com

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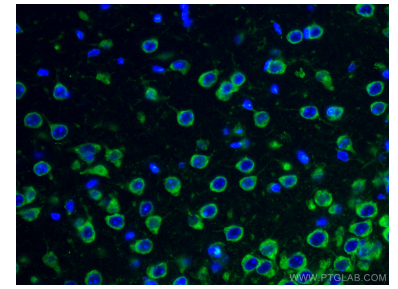
Selected Validation Data



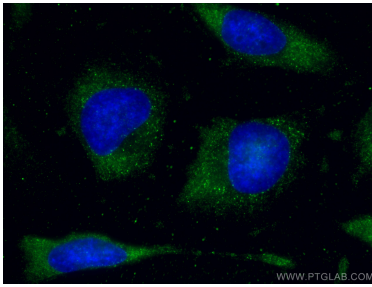
Various lysates were subjected to SDS PAGE followed by western blot with 67813-1-Ig (FXR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



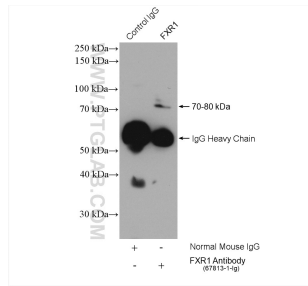
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 67813-1-Ig (FXR1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 AffiniPure 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 AffiniPure 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.