

For Research Use Only

# FKBP8 Monoclonal antibody

Catalog Number: 66690-1-Ig

Featured Product

2 Publications



## Basic Information

Catalog Number:

66690-1-Ig

Size:

150ul, Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG1649

GenBank Accession Number:

BC009966

GeneID (NCBI):

23770

UNIPROT ID:

Q14318

Full Name:

FK506 binding protein 8, 38kDa

Calculated MW:

45 kDa

Observed MW:

53 kDa

Purification Method:

Protein G purification

CloneNo.:

1C1G12

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:250-1:1000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, CoIP

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 : Jurkat cells, HEK-293 cells, HeLa cells, HepG2 cells, NIH/3T3 cells, RAW 264.7 cells

IHC : human hypothalamus tissue, mouse brain tissue

IF/ICC : A431 cells,

## Background Information

FK506 binding protein 8 (FKBP8), is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP8 does not seem to have PPIase/rotamase activity, which is different from other members of this family. The active form of FKBP8 may play a role in the regulation of apoptosis. FKBP8 has 3 isoforms produced by alternative splicing.

## Notable Publications

| Author         | Pubmed ID | Journal     | Application |
|----------------|-----------|-------------|-------------|
| Michael O Isei | 39026868  | bioRxiv     | WB,IF       |
| Suli Lv        | 35970393  | J Biol Chem | CoIP        |

## 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

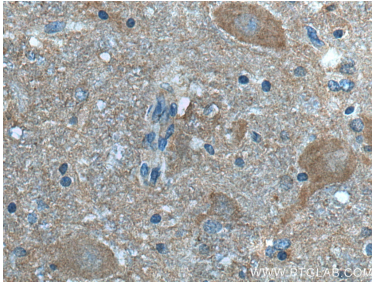
For technical support and original validation data for this product please contact:

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

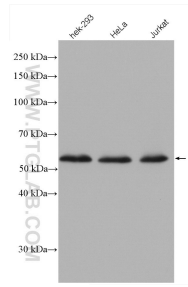
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

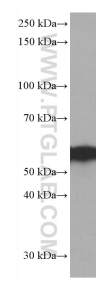
## Selected Validation Data



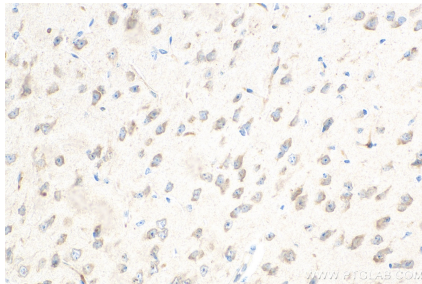
Immunohistochemical analysis of paraffin-embedded human hypothalamus tissue slide using 66690-1-Ig (FKBP8 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



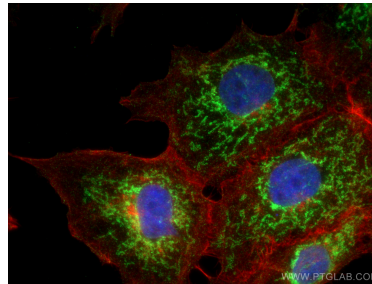
Various lysates were subjected to SDS PAGE followed by western blot with 66690-1-Ig (FKBP8 antibody) at dilution of 1:0 incubated at room temperature for 1.5 hours.



Jurkat cells were subjected to SDS PAGE followed by western blot with 66690-1-Ig (FKBP8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66690-1-Ig (FKBP8 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A431 cells using FKBP8 antibody (66690-1-Ig, Clone: 1C1G12) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).