

For Research Use Only

# FKBP8 Monoclonal antibody

Catalog Number: 66690-1-Ig

Featured Product

3 Publications



## Basic Information

### Catalog Number:

66690-1-Ig

### GenBank Accession Number:

BC009966

### Purification Method:

Protein G purification

### Size:

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

### GeneID (NCBI):

23770

### CloneNo.:

1C1G12

### UNIPROT ID:

Q14318

### Recommended Dilutions:

WB: 1:2000-1:10000

### Source:

Mouse

### Full Name:

FK506 binding protein 8, 38kDa

IHC: 1:250-1:1000

IF/ICC: 1:200-1:800

### Isotype:

IgG1

### Calculated MW:

45 kDa

### Immunogen Catalog Number:

AG1649

### Observed MW:

53 kDa

## 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	39752365	PLoS One	WB
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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

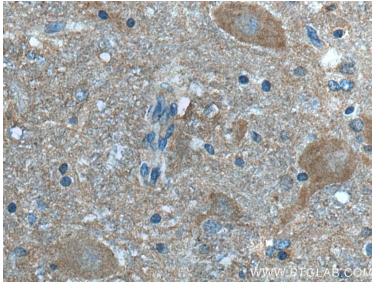
For technical support and original validation data for this product please contact:

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

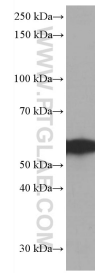
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

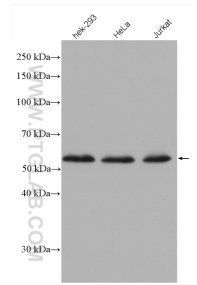
## Selected Validation Data



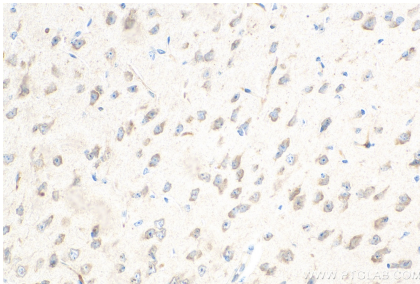
Immunohistochemical analysis of paraffin-embedded human hypothalamus tissue slide using 66690-1-Ig (FKBP8 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



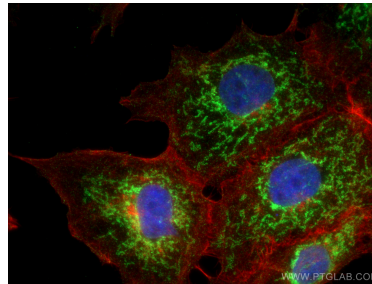
Jurkat cells were subjected to SDS PAGE followed by western blot with 66690-1-Ig (FKBP8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.



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).