

FKBP52 Polyclonal antibody

Catalog Number: 10655-1-AP

Featured Product

16 Publications

Basic Information

Catalog Number:

10655-1-AP

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1019

GenBank Accession Number:

BC007924

GeneID (NCBI):

2288

UNIPROT ID:

Q02790

Full Name:

FK506 binding protein 4, 59kDa

Calculated MW:

52 kDa

Observed MW:

52 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 μ g for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF 1:50-1:500

Applications

Tested Applications:

FC, IF/ICC, IHC, IP, WB, ELISA

Cited Applications:

WB, IP, IHC

Species Specificity:

human, mouse

Cited Species:

human, chicken, 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 : HeLa cells, PC-3 cells, Jurkat cells, NIH/3T3 cells, MCF-7 cells

IP : HeLa cells,

IHC : human prostate cancer tissue,

IF : MCF-7 cells,

Background Information

FKBP52 (FK506 binding protein 4) is a member of the immunophilin protein family that comprises intracellular protein effectors of immunosuppressive drugs, and it is known as a steroid receptor-associated protein. As a novel regulator of microtubule dynamics, FKBP52 is associated with the motor protein dynein and with the cytoskeleton during mitosis. FKBP52 is highly expressed in CNS regions susceptible to Alzheimer's, and plays a role in modulating toxicity of Abeta peptides. The protein can associate with the Tau function, and may help to decipher and modulate the events involved in Tau-induced neurodegeneration. In addition, FKBP52 is likely to play a role in growth and development of the male genitalia.

Notable Publications

Author	Pubmed ID	Journal	Application
Alain Mangé	31660083	Theranostics	WB
Chun-Yan Wu	27594807	Proteome Sci	WB
Keisuke Maeda	34057812	Mol Oncol	WB, IP

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

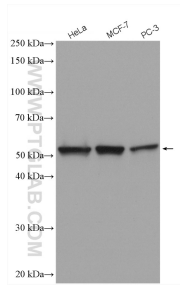
For technical support and original validation data for this product please contact:

T: 4006900926

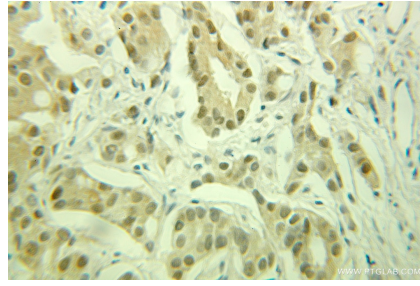
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

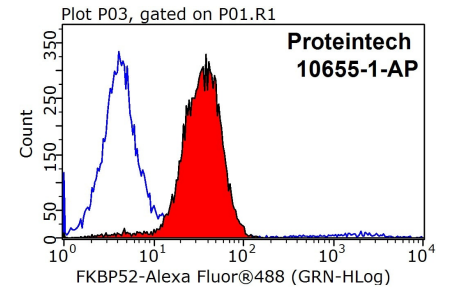
Selected Validation Data



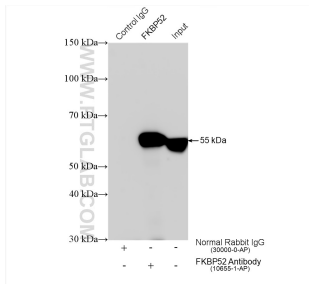
Various lysates were subjected to SDS PAGE followed by western blot with 10655-1-AP (FKBP52 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



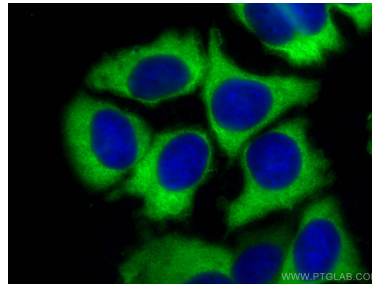
Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10655-1-AP (FKBP52 antibody) at dilution of 1:100 (under 25x lens).



1X10⁶ MCF-7 cells were stained with 0.2ug FKBP52 antibody (10655-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



IP result of anti-FKBP52 (IP:10655-1-AP, 4ug; Detection:10655-1-AP 1:20000) with HeLa cells lysate 1360 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using FKBP52 antibody (10655-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).