

For Research Use Only

FKBP52 Polyclonal antibody

Catalog Number: 10655-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:
10655-1-AP

Size:
150ul, Concentration: 800 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG1019

GenBank Accession Number:
BC007924

GeneID (NCBI):
2288

Full Name:
FK506 binding protein 4, 59kDa

Calculated MW:
59 kDa

Observed MW:
56-59 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

IHC, IP, WB

Species Specificity:

human, mouse

Cited Species:

chicken, 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 : 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

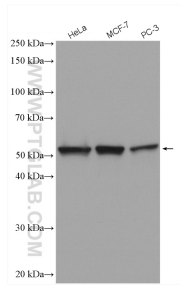
For technical support and original validation data for this product please contact:

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

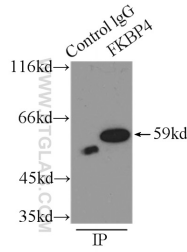
E: proteintech@ptglab.com
W: ptglab.com

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

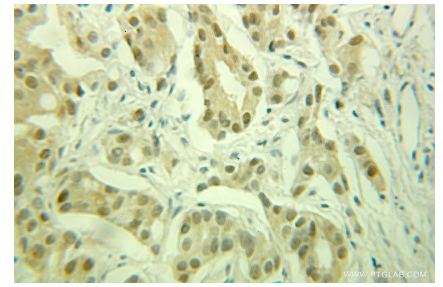
Selected Validation Data



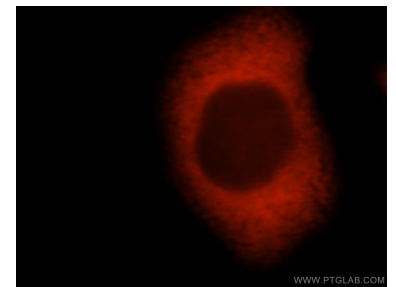
Various lysates were subjected to SDS PAGE followed by western blot with 10655-1-AP (FKBP52 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



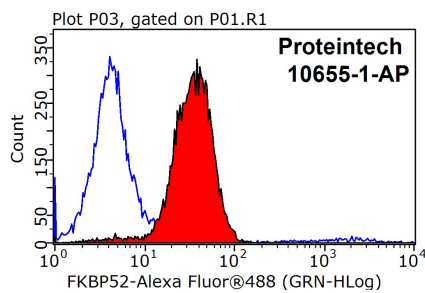
IP Result of anti-FKBP52 (IP:10655-1-AP, 3ug; Detection:10655-1-AP 1:1000) with HeLa cells lysate 3000ug.



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



Immunofluorescent analysis of MCF-7 cells, using FKBP4 antibody 10655-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



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.