

For Research Use Only

FKBP52 Polyclonal antibody

Catalog Number: 10655-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number: 10655-1-AP	GenBank Accession Number: BC007924	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2288	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
Source: Rabbit	Full Name: FK506 binding protein 4, 59kDa	IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG	Calculated MW: 59 kDa	
Immunogen Catalog Number: AG1019	Observed MW: 56-59 kDa	

Applications

Tested Applications: FC, IF, IHC, IP, WB, ELISA	Positive Controls: WB : HeLa cells, PC-3 cells, Jurkat cells, NIH/3T3 cells, MCF-7 cells
Cited Applications: IHC, IP, WB	IP : HeLa cells,
Species Specificity: human, mouse	IHC : human prostate cancer tissue,
Cited Species: chicken, human, mouse	IF : MCF-7 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

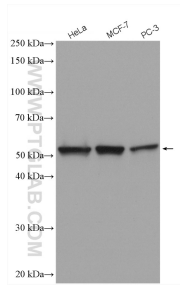
Storage

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

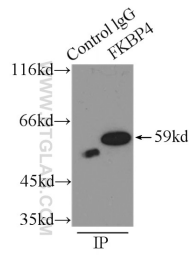
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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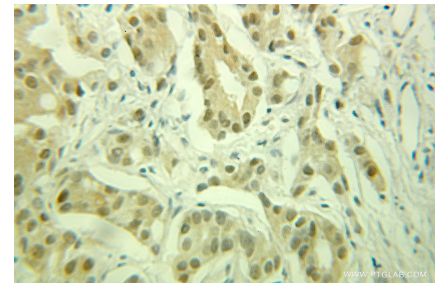
Selected Validation Data



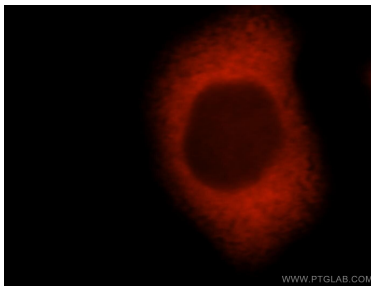
Various lysates were subjected to SDS PAGE followed by western blot with 10655-1-AP (FKBP52 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



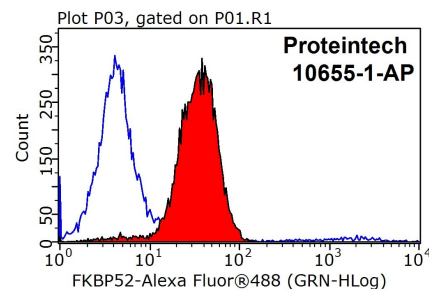
IP Result of anti-FKBP52 (IP:10655-1-AP, 3ug; Detection:10655-1-AP 1:1000) with HeLa cells lysate 3000ug.



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.