

For Research Use Only

FKBP52 Monoclonal antibody

Catalog Number: 66040-1-Ig



Basic Information

Catalog Number: 66040-1-Ig	GenBank Accession Number: BC007924	Purification Method: Protein G purification
Size: 150ul , Concentration: 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2288	CloneNo.: 3F5F9
Source: Mouse	Full Name: FK506 binding protein 4, 59kDa	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF 1:10-1:100
Isotype: IgG1	Calculated MW: 59 kDa	
Immunogen Catalog Number: AG18704	Observed MW: 52 kDa	

Applications

Tested Applications: FC, IF, IHC, WB, ELISA	Positive Controls:
Species Specificity: human	WB : HeLa cells, Jurkat cells, MCF-7 cells, K-562 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human cervical cancer tissue, human colon cancer tissue
	IF : HeLa 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.

Storage

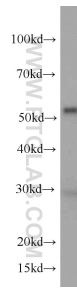
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

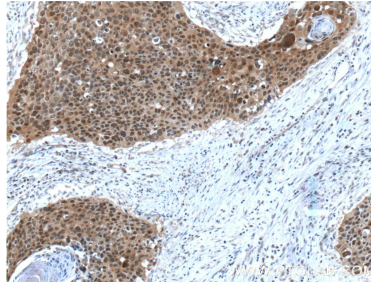
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

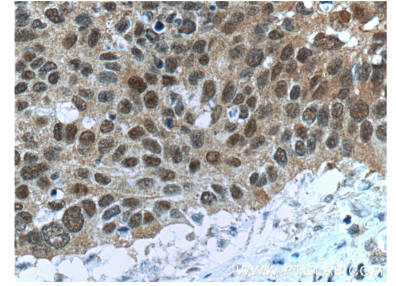
Selected Validation Data



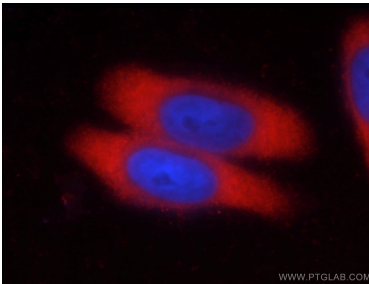
HeLa cells were subjected to SDS PAGE followed by western blot with 66040-1-Ig (FKBP52 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



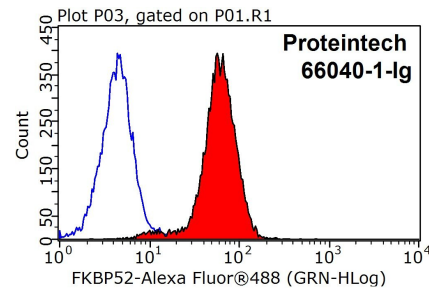
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 66040-1-Ig (FKBP52 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 66040-1-Ig (FKBP52 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieved with Tris-EDTA buffer, pH9.0.



Immunofluorescent analysis of HeLa cells using 66040-1-Ig (FKBP52 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Mouse IgG.



1X10⁶ HeLa cells were stained with 0.2ug FKBP52 antibody (66040-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.