

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: 433 µg/ml	GeneID (NCBI): 2288	CloneNo.: 3F5F9
Source: Mouse	UNIPROT ID: Q02790	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200 IF/ICC 1:10-1:100
Isotype: IgG1	Full Name: FK506 binding protein 4, 59kDa	
Immunogen Catalog Number: AG18704	Calculated MW: 52 kDa Observed MW: 52 kDa	

Applications

Tested Applications:
WB, IF/ICC, IHC, ELISA

Species Specificity:
human

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, Jurkat cells, MCF-7 cells, K-562 cells

IHC : human cervical cancer tissue, human colon cancer tissue

IF/ICC : 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

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

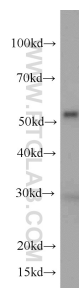
T: 4006900926

E: Proteintech-CN@ptglab.com

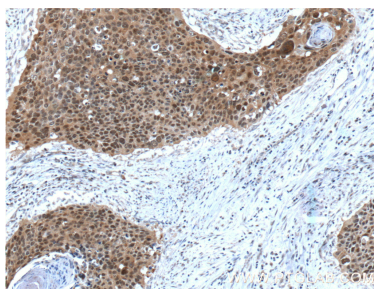
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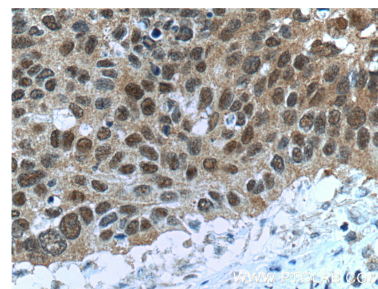
Selected Validation Data



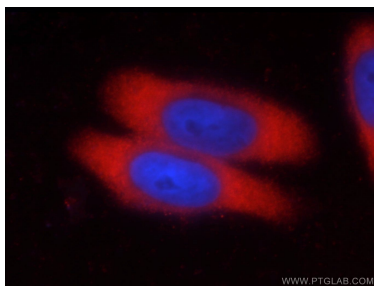
HeLa cells were subjected to SDS PAGE followed by western blot with 66040-1-Ig (FKBP52 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.