

For Research Use Only

FKBP52 Polyclonal antibody

Catalog Number: 22623-1-AP



Basic Information

Catalog Number: 22623-1-AP	GenBank Accession Number: BC007924	Purification Method: Antigen Affinity purified
Size: 350 µg/ml	GeneID (NCBI): 2288	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q02790	
Isotype: IgG	Full Name: FK506 binding protein 4, 59kDa	
Immunogen Catalog Number: AG18704	Calculated MW: 52 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: IF/ICC, IHC, WB, ELISA	Positive Controls:
Species Specificity: human	WB : PC-3 cells, IHC : human colon tissue, human kidney tissue IF : PC-3 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

The large molecular-weight immunophilin, FKBP52, is a known target of the immunosuppressive drug FK506. FKBP52 exhibits peptidyl-prolyl cis-trans isomerase (PPIase) activity, which is inhibited by the binding of FK506- properties that it shares with the smaller but better-studied immunophilin, FKBP12(PMID:15381148). It is essential to AR-mediated induction of genes involved in sexually dimorphic development of the penis (NIX3-1), in erectile function of the mature organ (NOS2 and NOS3), and in promotion of apoptosis during development(PMID:20605780).

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:

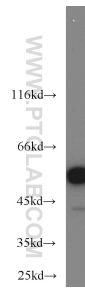
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

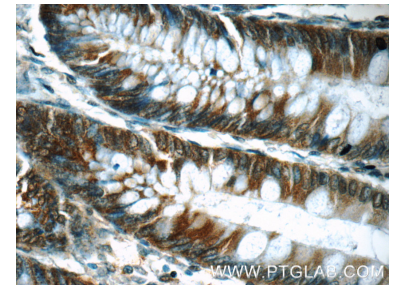
Selected Validation Data



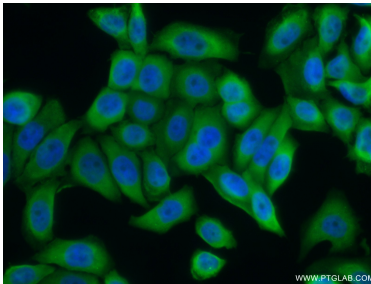
PC-3 cells were subjected to SDS PAGE followed by western blot with 22623-1-AP (FKBP52 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 22623-1-AP (FKBP52 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 22623-1-AP (FKBP52 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (10% Formaldehyde) fixed PC-3 cells using 22623-1-AP (FKBP52 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).