

For Research Use Only

# FKBP52 Polyclonal antibody

Catalog Number: 22623-1-AP



## Basic Information

<b>Catalog Number:</b> 22623-1-AP	<b>GenBank Accession Number:</b> BC007924	<b>Purification Method:</b> Antigen Affinity purified
<b>Size:</b> 150ul , Concentration: 350 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2288	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q02790	<b>IHC 1:200-1:800</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> FK506 binding protein 4, 59kDa	<b>IF/ICC 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG18704	<b>Calculated MW:</b> 52 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> PC-3 cells,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human colon tissue, human kidney tissue
	<b>IF/ICC :</b> PC-3 cells,

## 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 (NKG3-1), in erectile function of the mature organ (NOS2 and NOS3), and in promotion of apoptosis during development(PMID:20605780).

## Storage

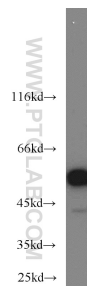
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

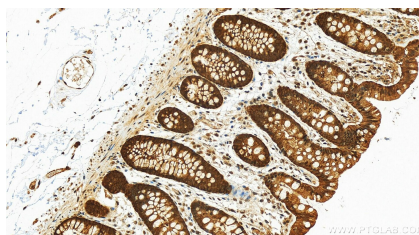
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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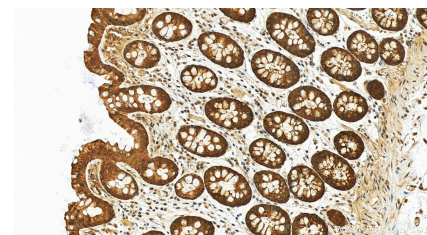
## Selected Validation Data



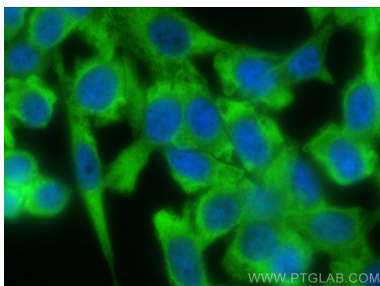
PC-3 cells were subjected to SDS PAGE followed by western blot with 22623-1-AP (FKBP52 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



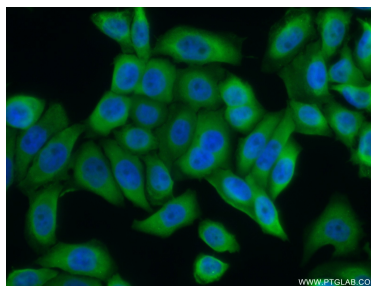
Immunohistochemical analysis of paraffin-embedded human normal colon slide using 22623-1-AP (FKBP52 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 22623-1-AP (FKBP52 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using FKBP52 antibody (22623-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



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).