

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: 150ul , Concentration: 350 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2288	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800 IF/ICC 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:
WB, IHC, IF/ICC, 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 : PC-3 cells,

IHC : human colon tissue, human kidney tissue

IF/ICC : 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 (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

*** 20ul sizes contain 0.1% BSA

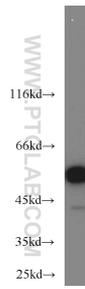
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

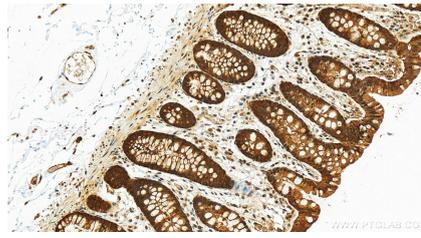
E: proteintech@ptglab.com
W: ptglab.com

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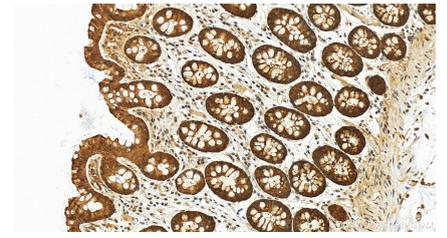
Selected Validation Data



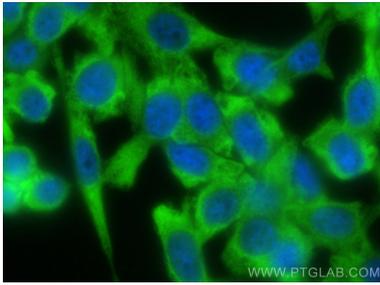
PC-3 cells were subjected to SDS PAGE followed by western blot with 22623-1-AP (FKBP52 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



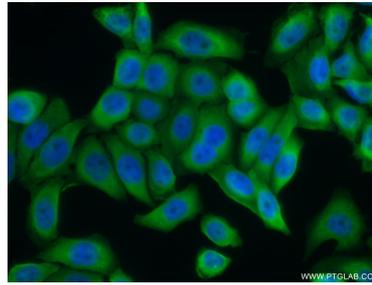
Immunohistochemical analysis of paraffin-embedded human normal colon slide using 22623-1-AP (FKBP52 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).