

For Research Use Only

# FKBP10/FKBP65 Polyclonal antibody



Catalog Number: 12172-1-AP

Featured Product

18 Publications

## Basic Information

<b>Catalog Number:</b> 12172-1-AP	<b>GenBank Accession Number:</b> BC016467	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 60681	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> FK506 binding protein 10, 65 kDa	<b>Calculated MW:</b> 582 aa, 64 kDa
<b>Isotype:</b> IgG	<b>Observed MW:</b> 64 kDa	<b>Immunogen Catalog Number:</b> AG2814

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, fetal human brain tissue, human placenta tissue, human kidney tissue, HeLa cells, NIH/3T3 cells
<b>Cited Applications:</b> IF, IHC, WB	<b>IP :</b> HEK-293 cells,
<b>Species Specificity:</b> human, mouse	<b>IHC :</b> human ovary tumor tissue,
<b>Cited Species:</b> human, chicken, mouse	

**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

FKBP10, also known as FKBP65, is a 65 kDa FK506 binding protein that is a member of the FKBP-type peptidyl-prolyl cis/trans isomerase family. This protein localizes to the endoplasmic reticulum and acts as a molecular chaperone and binding partner of type I collagen. FKBP65 is expressed in developing tissues and re-expressed in adult tissues following injury. As documented, FKBP10 has been detected to play important roles in the initiation and progression of cancers.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hiroyuki Yamaguchi	32988591	Biochem Biophys Res Commun	IHC,WB
Stefan Schorr	32133789	FEBS J	WB
Rutger A F Gjaltema	27298363	Proc Natl Acad Sci U S A	WB,IF

## Storage

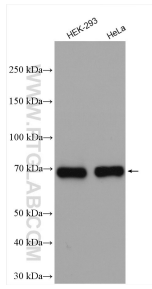
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

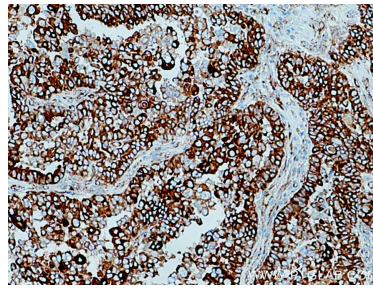
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

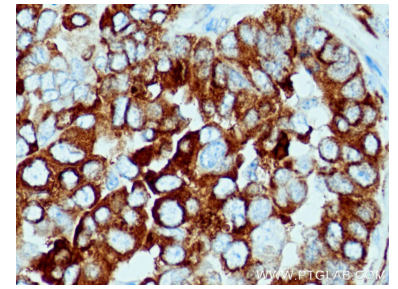
## Selected Validation Data



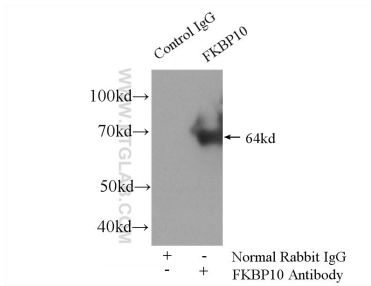
Various lysates were subjected to SDS PAGE followed by western blot with 12172-1-AP (FKBP65 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 12172-1-AP (FKBP65 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 12172-1-AP (FKBP65 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-FKBP65 (IP:12172-1-AP, 4ug; Detection:12172-1-AP 1:600) with HEK-293 cells lysate 2800ug.