For Research Use Only

FKBP10/FKBP65 Polyclonal antibody

Catalog Number:12172-1-AP Featured Product 29 Publications

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Basic Information

Catalog Number:
12172-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2814

GenBank Accession Number:
BC016467

GeneID (NCBI):
60681

UNIPROT ID:
Q96AY3

Full Name:
FK506 binding protein 10, 65 kDa

Calculated MW:
582 aa, 64 kDa

Observed MW:
70-75 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:2000-1:16000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC: 1:50-1:500

Applications

Tested Applications:
WB, IHC, IP, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat, chicken

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 : HEK-293 cells, human brain tissue, human placenta tissue, human kidney tissue, fetal human brain tissue, HeLa cells, NIH/3T3 cells

IP : HEK-293 cells,

IHC : human ovary cancer tissue,

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	WB,IHC
Stefan Schorr	32133789	FEBS J	WB
Rutger A F Gjaltema	27298363	Proc Natl Acad Sci U S A	WB,IF

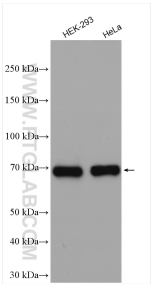
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

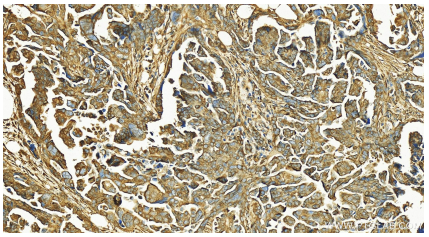
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

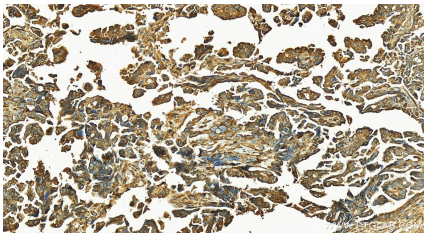
Selected Validation Data



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 ovarian cancer slide using 12172-1-AP (FKBP10/FKBP65 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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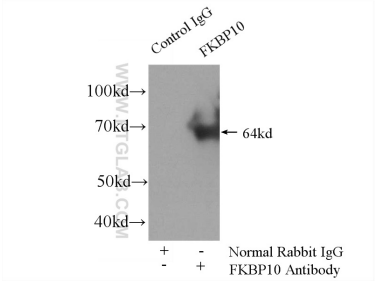
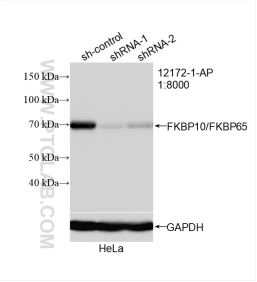


IP result of anti-FKBP10/FKBP65 (IP:12172-1-AP, 4ug; Detection:12172-1-AP 1:600) with HEK-293 cells lysate 2800ug.



WB result of FKBP10/FKBP65 antibody (12172-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FKBP10/FKBP65 transfected HeLa cells.