For Research Use Only

FKBP14 Polyclonal antibody

Catalog Number:15884-1-AP 4 Publications

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Basic Information

Catalog Number:
15884-1-AP

Size:
650 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8668

GenBank Accession Number:
BC005206

GeneID (NCBI):
55033

UNIPROT ID:
Q9NWM8

Full Name:
FK506 binding protein 14, 22 kDa

Calculated MW:
211 aa, 24 kDa

Observed MW:
28 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2400
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human

Cited Species:
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 : HEK-293 cells, HeLa cells, human brain tissue

IHC : human ovary cancer tissue,

Background Information

FKBP14, also named as FKBP22, belongs to the family of FK506-binding peptidyl-prolyl cis-trans isomerases (PPIases). PPIases accelerate the folding of proteins during protein synthesis. FKBP14 is localized in the endoplasmic reticulum (ER) and that deficiency of FKBP14 leads to enlarged ER cisterns in dermal fibroblasts in vivo. FKBP14 is about 22kd.

Notable Publications

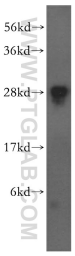
Author	Pubmed ID	Journal	Application
Birute Burnyte	36054293	Hum Mutat	IF
Yoshihiro Ishikawa	31949249	Sci Rep	WB,IF
Baumann Matthias M	22265013	Am J Hum Genet	WB,IF

Storage

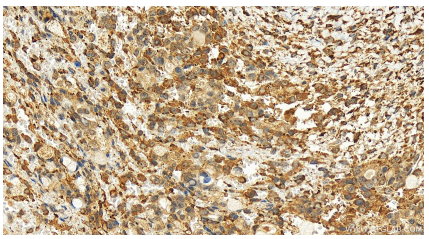
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 15884-1-AP (FKBP14 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 15884-1-AP (FKBP14 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).