

FKBP4 Polyclonal Antibody

Catalog No: tcba9530



Available Sizes

Size: 50ul

Size: 100ul

Size: 200ul



Specifications

Application:

WB,IHC,IF,IP

Research Area:

RNA Binding Protein(RBP),

Species Reactivity:

Human,Mouse

Host Species:

Rabbit

Isotype:

IgG

Form:

Liquid

Storage Buffer:

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Recommended Dilution:

WB 1:500 - 1:2000

IHC 1:50 - 1:200

IF 1:50 - 1:100

IP 1:50 - 1:200

Storage Instruction:

Store at -20°C. Avoid freeze / thaw cycles.

Alternative Names:

FKBP51;FKBP52;FKBP59;HBI;Hsp56;p52;PPlase

SwissProt:

Q02790

Gene ID:

2288 (human);

Calculated Molecular Weight:

51kDa

Purification:

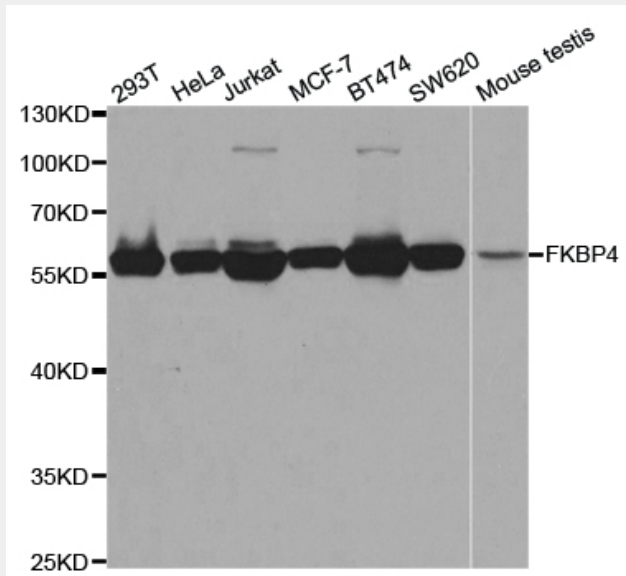
Affinity purification

Cellular Location:

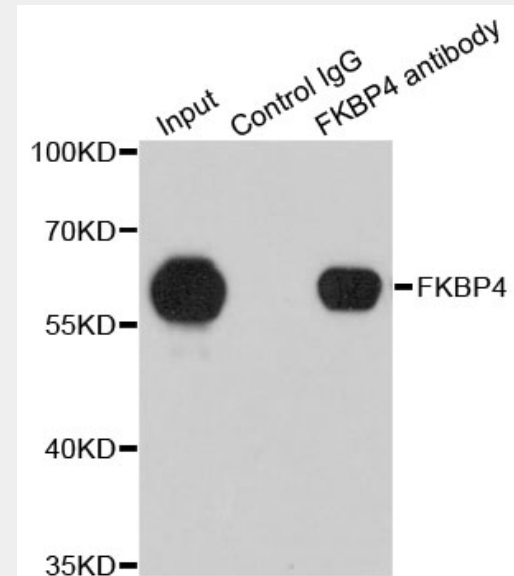
Cytoplasm,Mitochondrion,Nucleus,cytoskeleton,cytosol,

Product Description

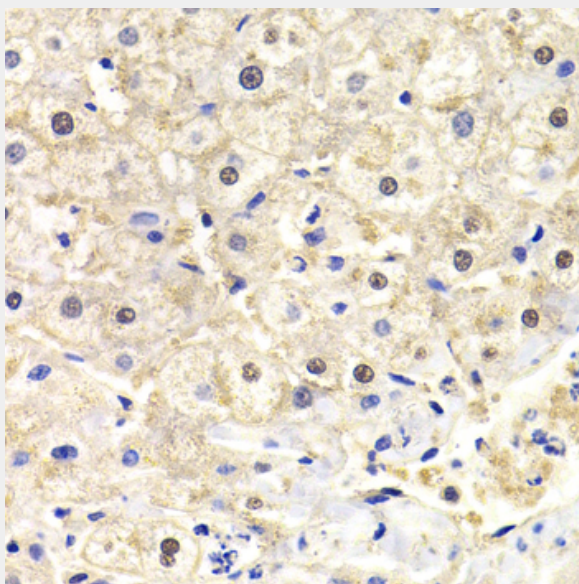
The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It has high structural and functional similarity to FK506-binding protein 1A (FKBP1A), but unlike FKBP1A, this protein does not have immunosuppressant activity when complexed with FK506. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes. This encoded protein is known to associate with phytanoyl-CoA alpha-hydroxylase. It can also associate with two heat shock proteins (hsp90 and hsp70) and thus may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. This protein correlates strongly with adeno-associated virus type 2 vectors (AAV) resulting in a significant increase in AAV-mediated transgene expression in human cell lines. Thus this encoded protein is thought to have important implications for the optimal use of AAV vectors in human gene therapy. The human genome contains several non-transcribed pseudogenes similar to this gene.



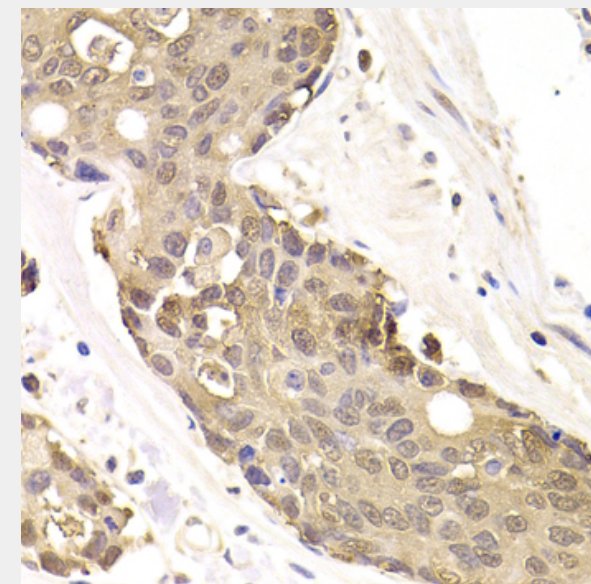
Western blot analysis of extracts of various cell lines, using FKBP4 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit.
Exposure time: 10s.



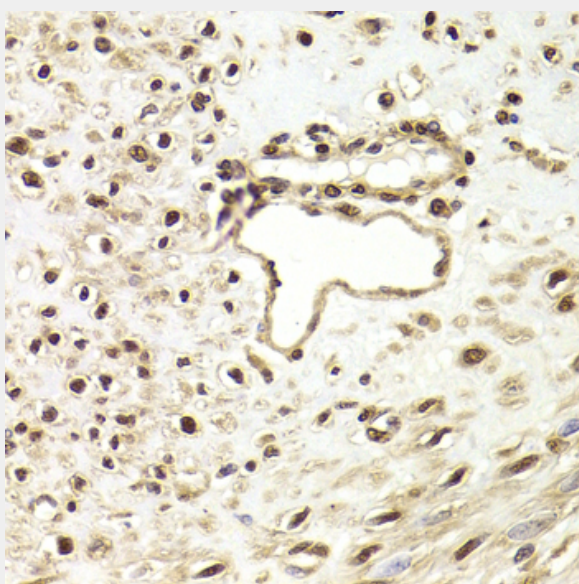
Immunoprecipitation analysis of 200ug extracts of 293T cells using 1ug FKBP4 antibody. Western blot was performed from the immunoprecipitate using FKBP4 antibody at a dilution of 1:1000.



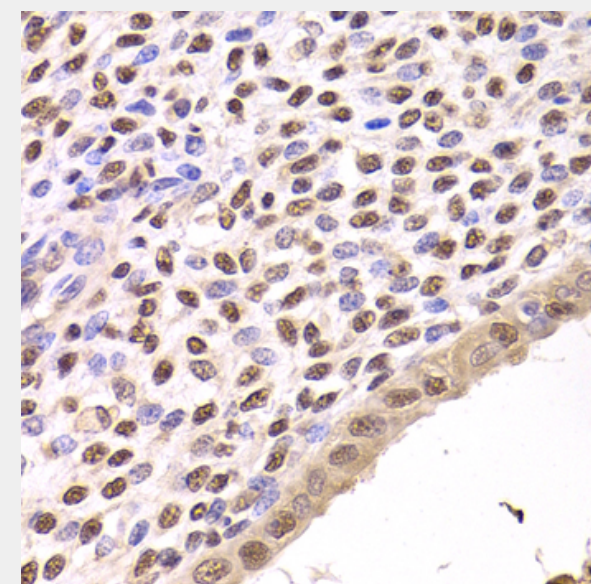
Immunohistochemistry of paraffin-embedded human liver injury using FKBP4 Antibody at dilution of 1:200 (40x lens).



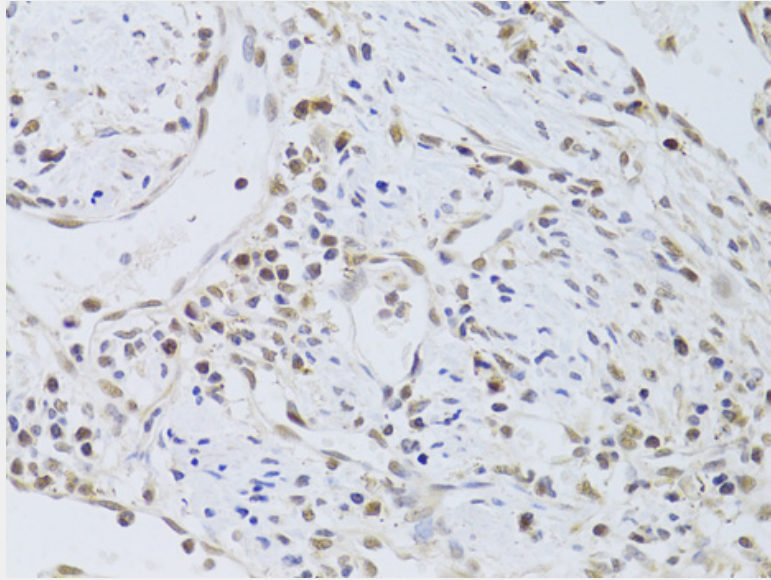
Immunohistochemistry of paraffin-embedded human colon carcinoma using FKBP4 Antibody at dilution of 1:200 (40x lens).



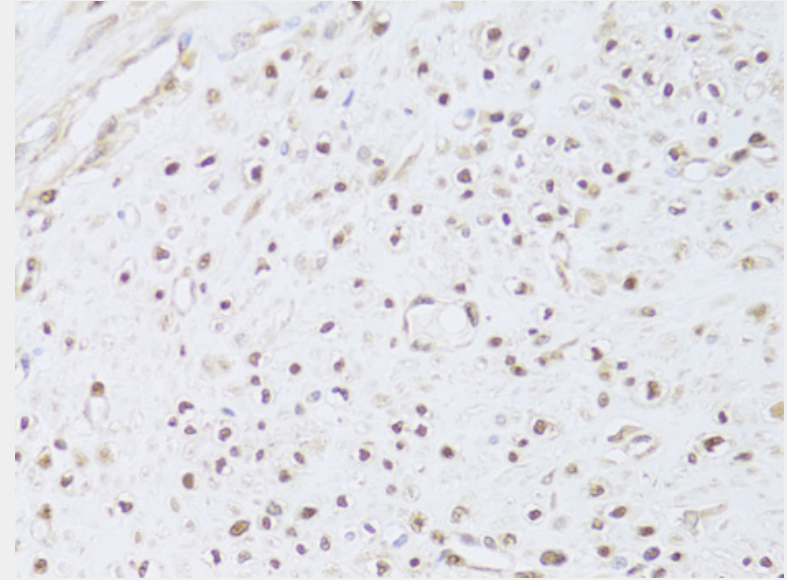
Immunohistochemistry of paraffin-embedded human leiomyoma of uterus using FKBP4 Antibody at dilution of 1:200 (40x lens).



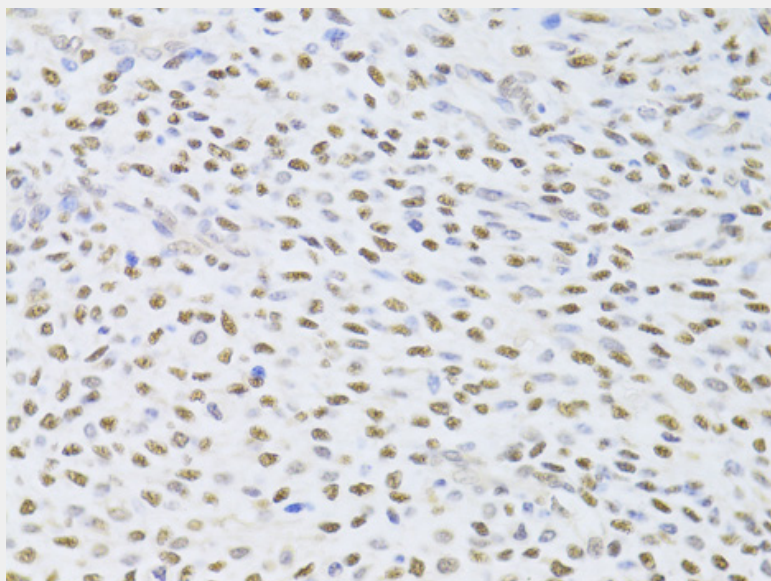
Immunohistochemistry of paraffin-embedded human adenomyosis using FKBP4 Antibody at dilution of 1:200 (40x lens).



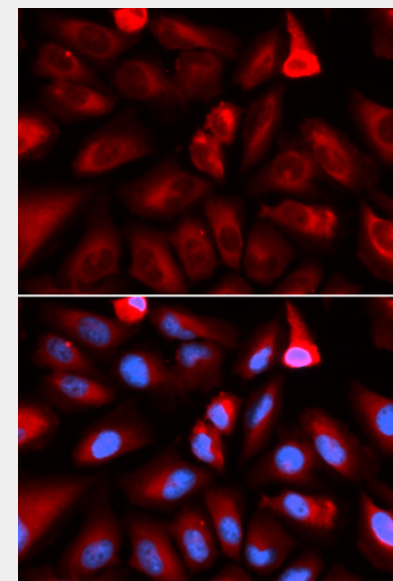
Immunohistochemistry of paraffin-embedded human gastric cancer using FKBP4 Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human leiomyoma of uterus using FKBP4 Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human adenomyosis using FKBP4 Antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using FKBP4 antibody. Blue: DAPI for nuclear staining.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!