

FKBP4 Antibody

Catalog No: #32942

Package Size: #32942-1 50ul #32942-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

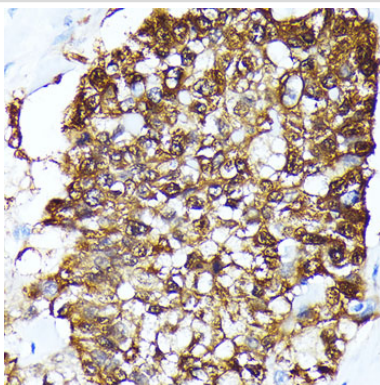
Description

Product Name	FKBP4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total FKBP4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human FKBP52/FKBP52/FKBP4 (NP_002005.1).
Target Name	FKBP4
Other Names	FKBP4;FKBP51;FKBP52;FKBP59;HBI;Hsp56;PPIase;p52
Accession No.	Uniprot:Q02790GeneID:2288
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GeneID	2288
SDS-PAGE MW	52KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

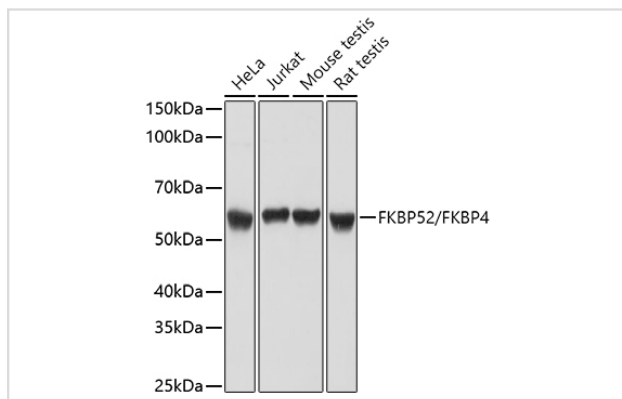
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:100

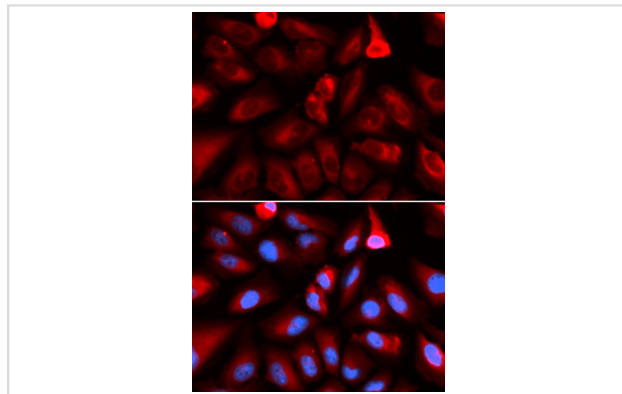
Images



Immunohistochemistry of paraffin-embedded human lung cancer using FKBP52/FKBP52/FKBP4 Rabbit pAb.



Western blot analysis of extracts of various cell lines, using FKBP52/FKBP4 antibody.



Immunofluorescence analysis of U2OS cells using FKBP52/FKBP52/FKBP4 antibody.

Background

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.

Note: This product is for in vitro research use only