

FKBP52 antibody

Catalog No: #22755



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

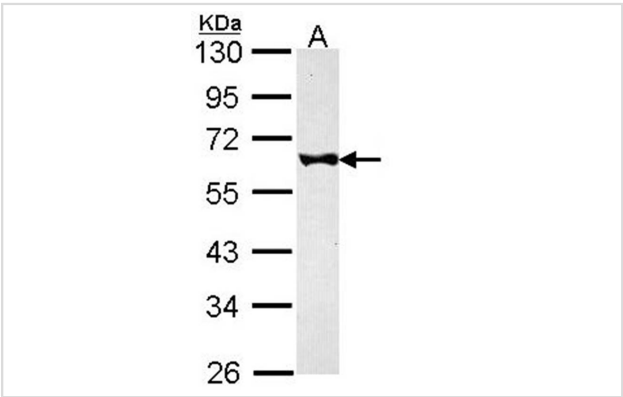
Description

Product Name	FKBP52 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IHC IF
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 177 of FKBP52
Target Name	FKBP52
Accession No.	Swiss-Prot:Q02790Gene ID:2288
Uniprot	Q02790
GeneID	2288;
Concentration	1mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 20% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

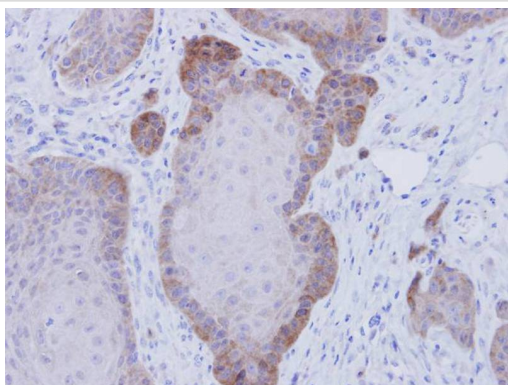
Application Details

Predicted MW: 52kd
Western blotting: 1:500-1:3000
Immunohistochemistry: 1:100-1:500
Immunofluorescence: 1:100-1:200

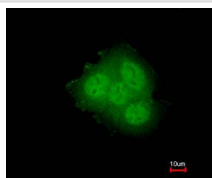
Images



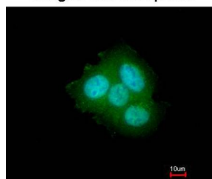
Sample (30 ug of whole cell lysate)
A: H1299
10% SDS PAGE
Primary antibody diluted at 1: 5000



Immunohistochemical analysis of paraffin-embedded Cal27 xenograft, using FKBP52 antibody at 1: 500 dilution.



Merged with DNA probe



Immunofluorescence analysis of paraformaldehyde-fixed A431, using FKBP52 antibody at 1: 200 dilution.

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. [provided by RefSeq]

Note: This product is for in vitro research use only