

Summary

Production Name	FKBP52 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB, IHC-P, ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	FKBP52
Alternative Names	HBI; p52; Hsp56; FKBP51; FKBP52; FKBP59; PPlase
Gene ID	2288
SwissProt ID	Q02790.

Application

Dilution Ratio	WB: 1:1000-1:5000 IHC-P: 1:200-1:500 ICC/IF: 1:50-1:100
Molecular Weight	Calculated MW:52 kDa; Observed MW:52 kDa

Background

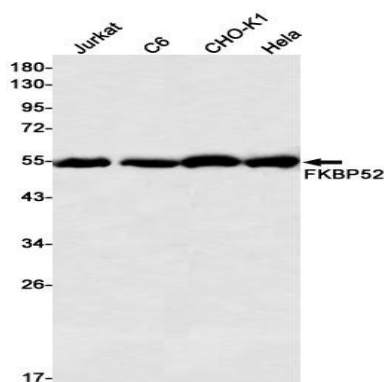
Product Name: FKBP52 Rabbit Monoclonal Antibody
Catalog #: AMRe87097



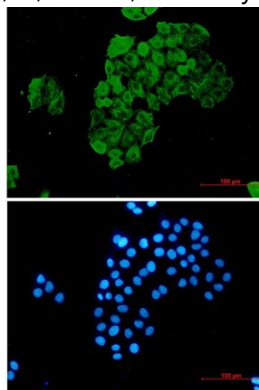
The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. 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, Sep 2008]

Research Area

Image Data

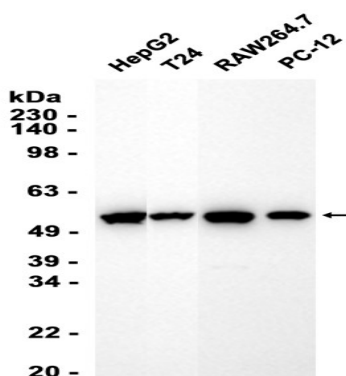


Western blot detection of FKBP52 in Jurkat,C6,CHO-K1,HeLa cell lysates using FKBP52 antibody(1:500 diluted).



Immunofluorescent analysis of HeLa cells using AMRe87097 antibody (green), and DAPI (blue).

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Western blot analysis of extracts from HepG2,T24,RAW264.7,PC-12 cells using AMRe87097 at 1:3000.

Note

For research use only.