



Rabbit Anti-FKBP52 antibody

SLM-60690R

Product Name FKBP52**Chinese Name** 热休克蛋白 56Recombinant rabbit monoclonal anti**Alias** FKBP4_HUMAN; Peptidyl-prolyl cis-trans isomerase FKBP4; EC:5.2.1.8; FKBP52; PPIase FKBP52; 52 kDa FK506-binding protein (FKBP51); 52 kDa FK506-binding protein (52 kDa FKBP; FKBP-52); immunophilin (p59); FK506-binding protein 4 (FKBP-4); Peptidyl-prolyl cis-trans isomerase FKBP4; N-terminally processed; HBI; p52; Hsp56; FKBP51; FKBP59; PPIase;**Immunogen Species** Rabbit**Clonality** Monoclonal**Clone NO.** R1A10**React Species** Human,Mouse,Rat**Applications** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1:50-100,ICC/IF
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.**Theoretical molecular weight** 52kDa**Cellular localization** The nucleus cytoplasmic**Form** Liquid**Concentration** 1mg/ml**immunogen** KLH conjugated synthetic peptide derived from human FKBP52**Lsotype** IgG**Purification** affinity purified by Protein A**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**PubMed** [PubMed](#)**Product** The protein encoded by this gene is a member of the immunophilin protein family, which play a role in

Detail

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 (hsp70 and hsp90) 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]

Subcellular Location:

Cytoplasm; cytosol. Nucleus. Cytoplasm; cytoskeleton.

Tissue Specificity:

Widely expressed.

SWISS:

Q02790

Gene ID:

2288

Database links:

[Entrez Gene: 2288](#) Human

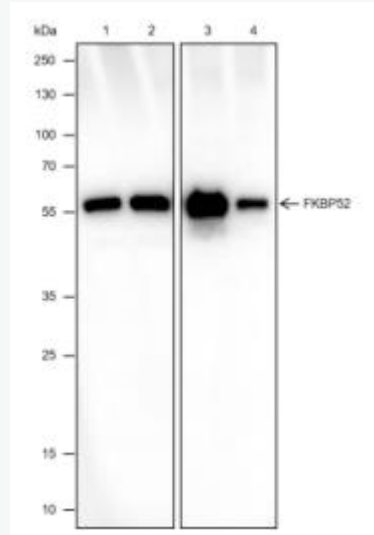
[Entrez Gene: 14228](#) Mouse

[Entrez Gene: 260321](#) Rat

[SwissProt: Q02790](#) Human

[SwissProt: P30416](#) Mouse

[SwissProt: Q9QVC8](#) Rat



Product Picture

Blocking buffer: 5% NFDM/TBST

Primary Ab dilution: 1:1000

Primary Ab incubation condition: 2 hours at room temperature

Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP)

Lysate: 1: HeLa, 2: Jurkat, 3: F9, 4: Rat testis

Protein loading quantity: 20 μ g

Exposure time: 30 s

Predicted MW: 52 kDa

Observed MW: 56 kDa