

Anti-FKBP52 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

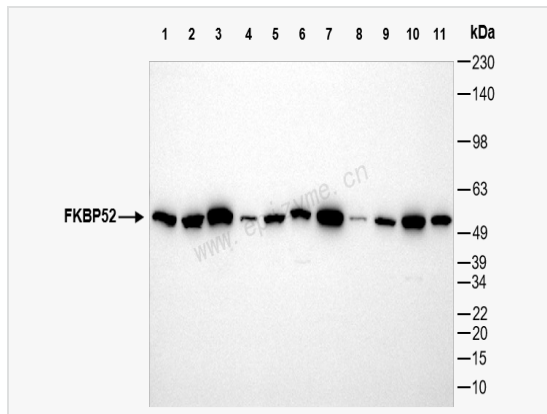
Catalog # R011163

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	22L94K82
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human FKBP52
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-FKBP52 Rabbit mAb [22L94K82] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	51 kDa FK506-binding protein, 52 kDa FK506 binding protein, 52 kDa FK506-binding protein, 52 kDa FKBP, 59 kDa immunophilin, FK506 binding protein 4, FK506-binding protein 4, FKBP 4, FKBP 52, FKBP 59, FKBP-4, FKBP-52, FKBP4, FKBP4_HUMAN, FKBP51, FKBP52 protein, FKBP59, HBI, Hsp 56, HSP binding immunophilin, HSP-binding immunophilin, Hsp56, Immunophilin FKBP52, N-terminally processed, p52, p59, p59 protein, Peptidyl prolyl cis trans isomerase, peptidyl-prolyl cis-trans isomerase, Peptidyl-prolyl cis-trans isomerase FKBP4, Peptidylprolyl cis trans isomerase, PPIase, PPIase FKBP4, Rotamase, T cell FK506 binding protein 59kD.
Calculated MW	Calculated MW: 52 kDa; Observed MW: 52 kDa
Uniprot ID	Q02790
Gene ID	2288
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



Western Blot - Anti-FKBP52 Rabbit mAb [22L94K82]

All lanes: R011163 at 1:3,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 5: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 6: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 7: 293T (Human embryonic kidney cell) whole cell lysates

Lane 8: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 9: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane10: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

Developed using the ECL technique (Cat. No. SQ201).