

For Research Use Only

FKBP5 Recombinant antibody

Catalog Number: 86189-2-RR



Basic Information

Catalog Number:

86189-2-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5337

GenBank Accession Number:

BC042605

GeneID (NCBI):

2289

UNIPROT ID:

Q13451

Full Name:

FK506 binding protein 5

Calculated MW:

457 aa, 51 kDa

Observed MW:

51 kDa

Purification Method:

Protein A purification

CloneNo.:

250798G8

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : K-562 cells, Jurkat cells, SH-SY5Y cells

Background Information

FKBP5, also known as FKBP51, belongs to the family of immunophilins, FK506 binding proteins (FKBPs). FKBP5 is a negative regulator of GR activity and plays a key role in the termination of the stress response by GRs. FKBP5 limits GR function by decreasing ligand-binding sensitivity, thereby delaying nuclear translocation and reducing GR-dependent transcriptional activity. The known functions of FKBP5 include the regulation of steroid hormone receptors, inhibiting apoptosis in cancer cells, promoting Akt1 dephosphorylation, and inhibiting the Akt1 pathways, to name a few. FKBP5 is widely expressed and the calculated molecular weight is 51 kDa (PMID: 21119664, PMID: 34077736, PMID: 37154033).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

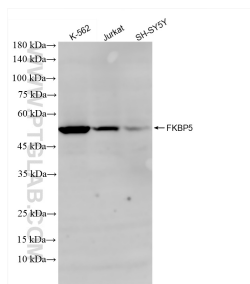
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86189-2-RR (FKBP5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.