

For Research Use Only

FKBP5 Recombinant antibody

Catalog Number: 86189-1-RR



Basic Information

Catalog Number: 86189-1-RR	GenBank Accession Number: BC042605	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2289	CloneNo.: 250798G2
Source: Rabbit	UNIPROT ID: Q13451	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: FK506 binding protein 5	
Immunogen Catalog Number: AG5337	Calculated MW: 457 aa, 51 kDa	
	Observed MW: 51 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293 cells, K-562 cells, Jurkat cells, SH-SY5Y cells
Species Specificity: human	

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

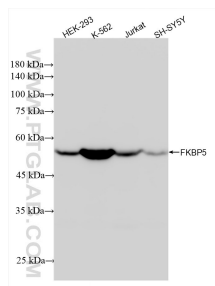
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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