

For Research Use Only

# FKBP5 Recombinant antibody, PBS Only

Catalog Number: 86189-1-PBS



## Basic Information

<b>Catalog Number:</b> 86189-1-PBS	<b>GenBank Accession Number:</b> BC042605	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2289	<b>CloneNo.:</b> 250798G2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13451	
<b>Isotype:</b> IgG	<b>Full Name:</b> FK506 binding protein 5	
<b>Immunogen Catalog Number:</b> AG5337	<b>Calculated MW:</b> 457 aa, 51 kDa	
	<b>Observed MW:</b> 51 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

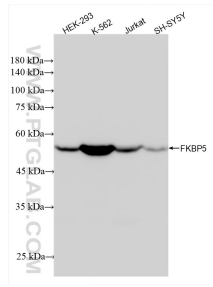
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## Selected Validation Data



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. This data was developed using the same antibody clone with 86189-1-PBS in a different storage buffer formulation.