

Product Name: KD-Validated FKBP5 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01583**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 51.2kDa

Antigen Information

Gene Name	FKBP5
Alternative Names	FKBP5; FKBP Prolyl Isomerase 5; FKBP51; FKBP54; P54; 54 KDa Progesterone Receptor-Associated Immunophilin; Peptidyl-Prolyl Cis-Trans Isomerase FKBP5; 51 KDa FK506-Binding Protein; Androgen-Regulated Protein 6; HSP90-Binding Immunophilin; FK506-Binding Protein 5; FK506 Binding Protein 5; PPIase FKBP5; 51 KDa FKBP; FF1 Antigen; EC 5.2.1.8; Rotamase; FKBP-51; PPIase; Ptg-10; AIG6; Peptidylprolyl Cis-Trans Isomerase; T-Cell FK506-Binding Protein; PPIASE; PTG-10; FKBP-5
Gene ID	2289.0
SwissProt ID	Q13451
Immunogen	A synthesized peptide derived from human FKBP51

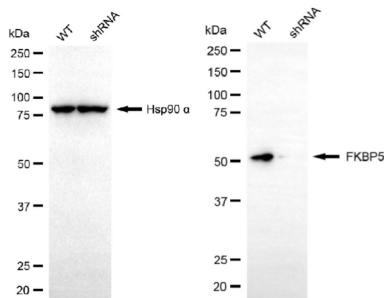
Background

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 is thought to mediate calcineurin inhibition. It also interacts functionally with mature hetero-oligomeric progesterone receptor complexes along with the 90 kDa heat shock protein and P23 protein. This gene has been found to have multiple polyadenylation sites. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]

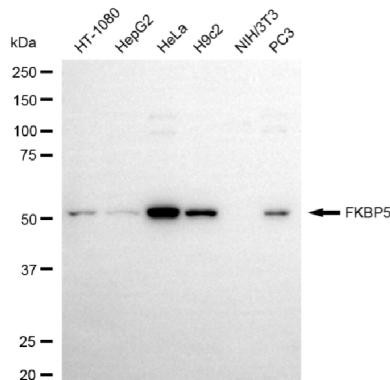
Research Area

Immunology, Signal Transduction

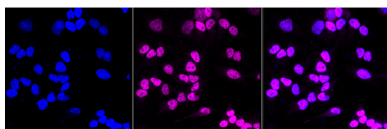
Image Data



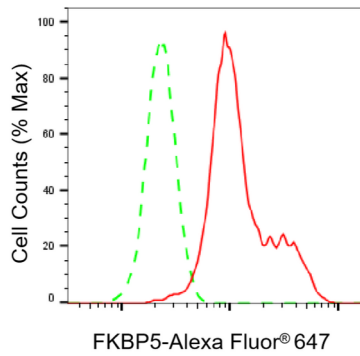
Western blotting analysis using FKBP5 antibody (KVA01583). FKBP5 expression in wild-type (WT) and FKBP5 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with FKBP5 antibody (KVA01583, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using FKBP5 antibody (KVA01583). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FKBP5 antibody (KVA01583, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with FKBP5 antibody (KVA01583, 1:1,000). Nuclei were stained blue with DAPI; FKBP5 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of FKBP5 expression in HeLa cells using FKBP5 antibody (KVA01583, 1:2,000). Green, isotype control; red, FKBP5.