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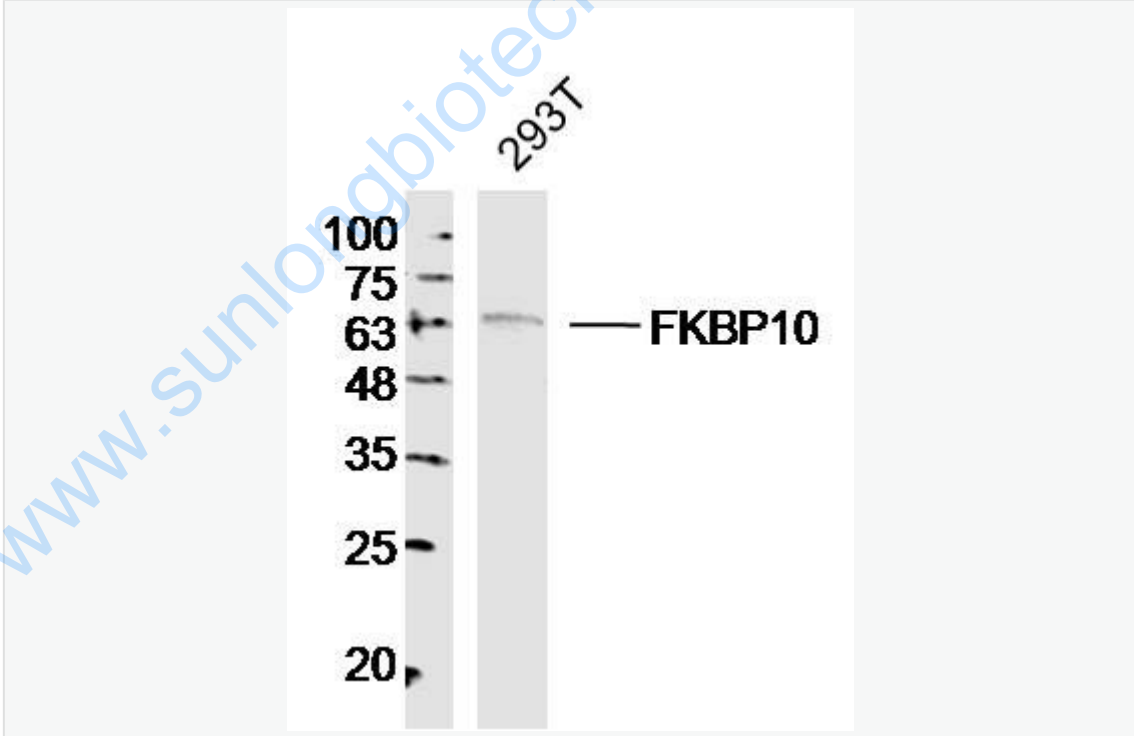
Rabbit Anti-FKBP10 antibody

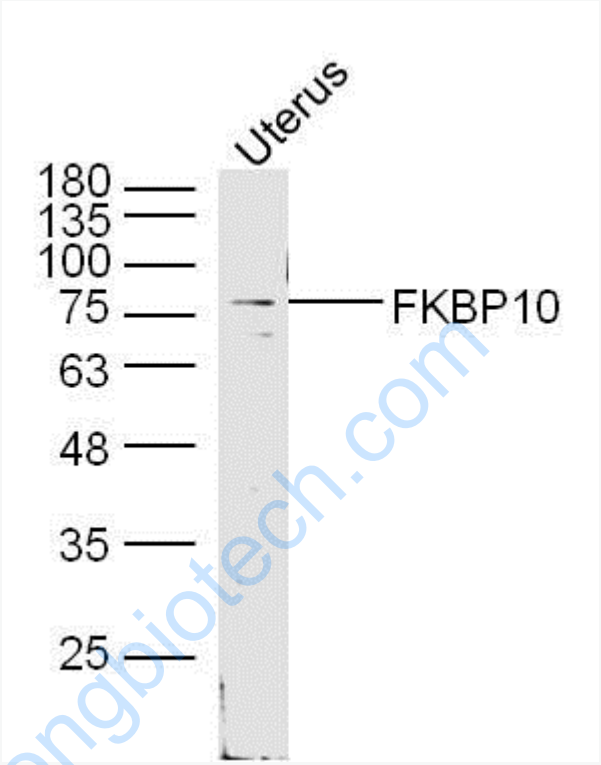
SL13175R

Product Name:	FKBP10
Chinese Name:	肽基脯氨酰顺反异构酶FKBP10抗体
Alias:	65 kDa FK506 binding protein; FK506 binding protein 10 65 kDa; FK506 binding protein 10; FKBP 10; FKBP 65; hFKBP 65; Immunophilin FKBP65; Peptidyl prolyl cis trans isomerase. PPIase; Rotamase; FKB10_HUMAN.
文献引用 PubMed :	**Specific References(1)**|SL13175R has been referenced in 1 publications. **[IF=5.06]**Sun, Zhen, et al. "Identification of Chemoresistance-Related Cell Surface Glycoproteins in Leukemia Cells and Functional Validation of Candidate Glycoproteins." Journal of Proteome Research (2014).**WB;Human**. PubMed:24467213
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	61kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FKBP10:31-130/582
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The immunophilins are a highly conserved family of cis-trans peptidyl-prolyl isomerases that bind to and mediate the effects of immunosuppressive drugs, such as cyclosporin, FK506 and rapamycin. Immunophilins have also been implicated in protein folding and trafficking within the endoplasmic reticulum (ER). FKBP10 (FK506-binding protein 10), also known as peptidyl-prolyl cis-trans isomerase, PPIase, Rotamase, 65kDa FK506-binding protein or FKBP65, is a 582 amino acid immunophilin localized to the ER lumen and found in many tissues including heart, spleen, brain, testis and lung. FKBP10 contains two EF-hand calcium-binding domains and four PPIase FKBP-type domains, suggesting an enzymatic role in protein folding by catalyzing the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. FKBP10 also acts as a receptor for the immunosuppressants FK506 and rapamycin, which inhibit FKBP10 activity. FKBP10 is thought to interact with the Raf-1/HSP 90 heterocomplex during signal transduction processes, and may associate with elastin during elastin protein folding and transport. With a valine-24 addition to human FKBP10, human and mouse FKBP10 are almost identical. **Function:** FKBP10 (FK506 binding protein 10) belongs to the FKBP type peptidyl-prolyl cis/trans isomerase (PPIase) family. PPIases accelerate the folding of proteins during protein synthesis, acting as molecular chaperones. FKBP10 is located in the endoplasmic reticulum (ER) and is thought to play a role in the folding and trafficking of secretory proteins. **Subcellular Location:** Endoplasmic reticulum. **Post-translational modifications:** Glycosylated and phosphorylated. **DISEASE:** Defects in FKBP10 are the cause of osteogenesis imperfecta type 6 (OI6) [MIM:610968]. OI6 is a moderate to severe, autosomal recessive form of osteogenesis imperfecta characterized by increased serum alkaline phosphatase levels and bone histology exhibiting a fish scale-like lamellar pattern. Osteogenesis imperfecta defines a group of connective tissue disorders characterized by bone fragility and low bone mass. **Similarity:** Contains 2 EF-hand domains. Contains 4 PPIase FKBP-type domains. **SWISS:** Q96AY3

	Gene ID: 60681 **Database links:** Entrez Gene: 60681Human Omim: 607063Human SwissProt: Q96AY3Human Unigene: 463035Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample:293T Cell(Human)Lysate at 40 ug Primary: Anti-FKBP10(SL13175R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61kD

Observed band size: 61kD



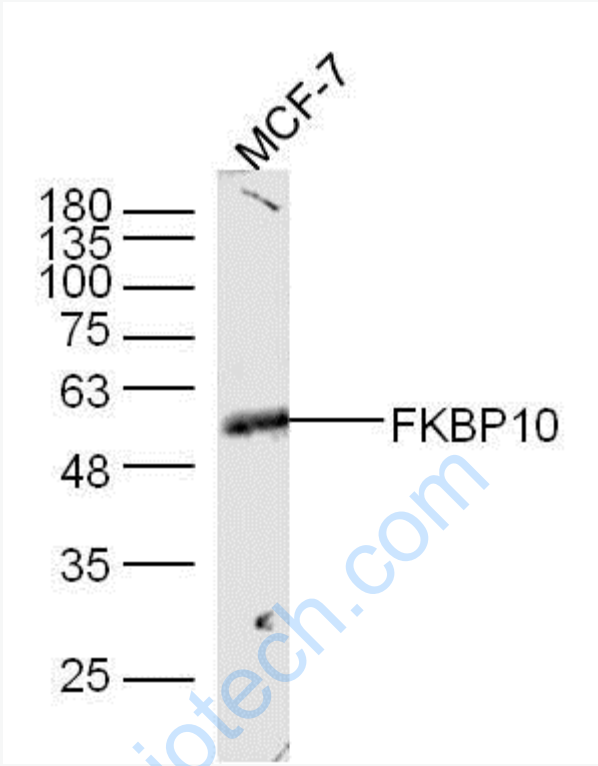
Sample: Uterus (Mouse) Lysate at 40 ug

Primary: Anti-FKBP10(SL13175R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 76 kD



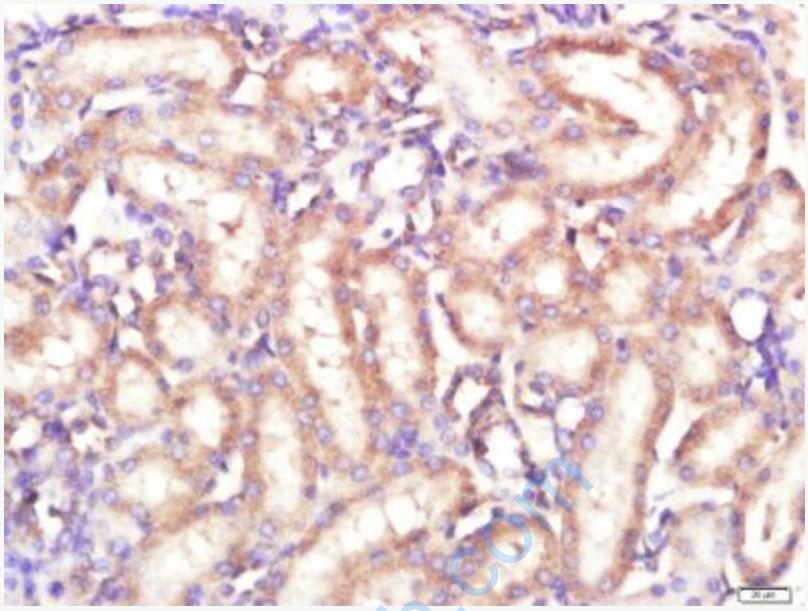
Sample: MCF-7(human) Cell Lysate at 40 ug

Primary: Anti-FKBP10(SL13175R) at 1/300 dilution

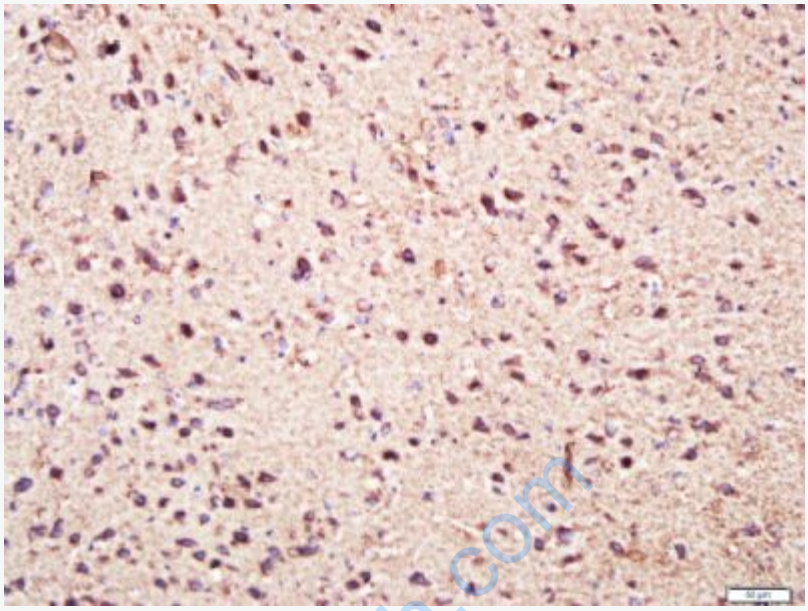
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 61 kD

Observed band size: 61 kD



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FKBP10) Polyclonal Antibody, Unconjugated (SL13175R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FKBP10) Polyclonal Antibody, Unconjugated (SL13175R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.