

Rabbit FKBP51 Polyclonal Antibody | anti-FKBP5 antibody

FKBP51 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328925	Rabbit	Human, Mouse, Rat Predicted Reactivity: Zebrafish(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)	ELISA, Western Blot

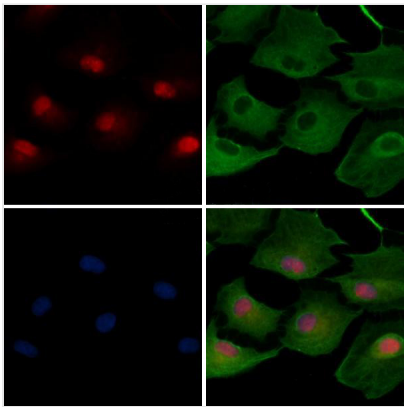
PRODUCT SYNONYMS

FKBP51; Polyclonal Antibody; FKBP51 Antibody; 51 kDa FK506 binding protein 5; 51 kDa FK506 binding protein; 51 kDa FK506-binding protein; 51 kDa FKBP; 54 kDa progesterone receptor associated immunophilin; 54 kDa progesterone receptor-associated immunophilin; AIG 6; AIG6; Androgen regulated protein 6; Androgen-regulated protein 6; FF1 antigen; FK506 binding protein 5; FK506-binding protein 5; FKBP 5; FKBP 51; FKBP 54; FKBP-5; FKBP-51; FKBP5; FKBP5_HUMAN; FKBP54; HSP90 binding immunophilin; HSP90-binding immunophilin; MGC111006; OTTHUMP00000016268; P54; Peptidyl prolyl cis trans isomerase; Peptidyl-prolyl cis-trans isomerase FKBP5; Peptidylprolyl cis trans isomerase; PPIase; PPIase FKBP5; Ptg 10; Ptg10; Rotamase; T cell FK506 binding protein; anti-FKBP5 antibody

PRODUCT SPECIFICATIONS

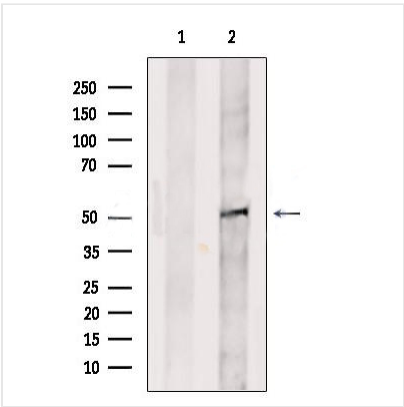
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Zebrafish(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	FKBP51 Antibody detects endogenous levels of total FKBP51.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	457
Applicable Applications for anti-FKBP5 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human FKBP51, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA328925 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328925) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using FKBP51 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FKBP5 antibody	Function: Immunophilin protein with PPIase and co-chaperone activities (PubMed:11350175). Component of unligated steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). Plays a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors maintaining the complex into the cytoplasm when unliganded (PubMed:12538866). Acts as a regulator of Akt/AKT1 activity by promoting the interaction between Akt/AKT1 and PHLPP1, thereby enhancing dephosphorylation and subsequent activation of Akt/AKT1 (PubMed:28147277).
	Post Translational Modifications: Acetylation impairs ability to promote interaction between Akt/AKT1 and PHLPP1 (PubMed:28147277). Deacetylation by SIRT7 promotes interaction between Akt/AKT1 and PHLPP1, leading to suppress Akt/AKT1 activation (PubMed:28147277).
	Subcellular Location: Cytoplasm. Nucleus.
	Tissue Specificity: Widely expressed, enriched in testis compared to other tissues.
	Subunit Structure: Part of a heteromultimeric cytoplasmic complex with HSP90AA1, HSPA1A/HSPA1B and steroid receptors. Upon ligand binding dissociates from the complex and FKBP4 takes its place (By similarity). Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP (PubMed:7693698). Interacts with NR3C1 (By similarity). Interacts with Akt/AKT1 and PHLPP1; enhancing dephosphorylation and subsequent activation of Akt/AKT1 (PubMed:28147277).

NCBI AND UNIPROT INFORMATION

NCBI GI #	2851536
NCBI GeneID	2289
UniProt Accession #	Q13451
Molecular Weight	Observed Molecular Weight: (Observed)51kD. Predicted Molecular Weight: (Calculated)51kDa.
NCBI Official Full Name	Peptidyl-prolyl cis-trans isomerase FKBP5
NCBI Official Synonym Full Names	FKBP prolyl isomerase 5
NCBI Official Symbol	FKBP5
NCBI Official Synonym Symbols	P54; AIG6; FKBP51; FKBP54; PPIase; Ptg-10

NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP5
UniProt Gene Name	FKBP5
UniProt Synonym Gene Names	AIG6; FKBP51; PPIase FKBP5; 51 kDa FKBP; FKBP-51; FKBP-5; p54
UniProt Entry Name	FKBP5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fkbp51-antibody-western-blot-elisa/328925>