

Rabbit FKBP4 Polyclonal Antibody | anti-FKBP4 antibody

Phospho-FKBP4 (Tyr220) Antibody

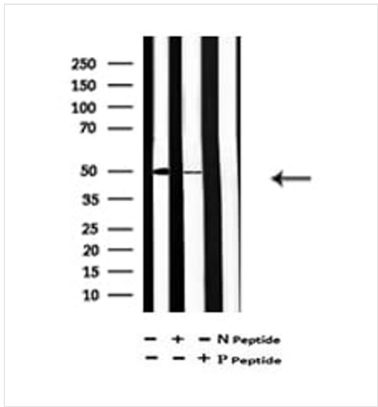
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328261	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FKBP4; Polyclonal Antibody; Phospho-FKBP4 (Tyr220) Antibody; 51 kDa FK506-binding protein; 52 kDa FK506 binding protein; 52 kDa FK506-binding protein; 52 kDa FKBP; 59 kDa immunophilin; FK506 binding protein 4; FK506-binding protein 4; FKBP 4; FKBP 52; FKBP 59; FKBP-4; FKBP-52; FKBP4_HUMAN; FKBP51; FKBP52 protein; FKBP59; HBI; Hsp 56; HSP binding immunophilin; HSP-binding immunophilin; Hsp56; Immunophilin FKBP52; N-terminally processed; p52; p59; p59 protein; Peptidyl prolyl cis trans isomerase; Peptidyl-prolyl cis-trans isomerase FKBP4; Peptidylprolyl cis trans isomerase; PPlase; PPlase FKBP4; Rotamase; T cell FK506 binding protein 59kD; anti-FKBP4 antibody

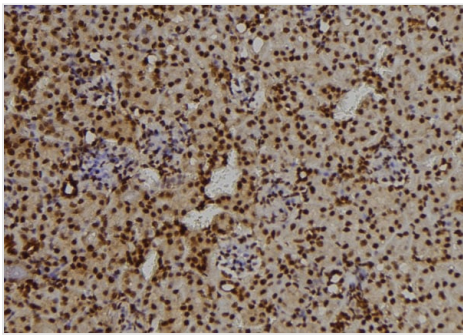
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-FKBP4(Tyr220) Antibody detects endogenous levels of FKBP4 only when phosphorylated at Tyr220.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	459
Applicable Applications for anti-FKBP4 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FKBP4 around the phosphorylation site of Tyr220.
Tissue Specificity	Widely expressed.
Subcellular Location	Cytoskeleton; Cytosol; Mitochondrion; Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



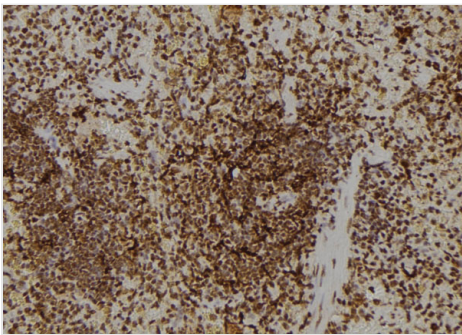
WB (Western Blot)

Western blot analysis of Phospho-FKBP4(Tyr220) in lysates of Jurkat, using Phospho-FKBP4(Tyr220) Antibody.



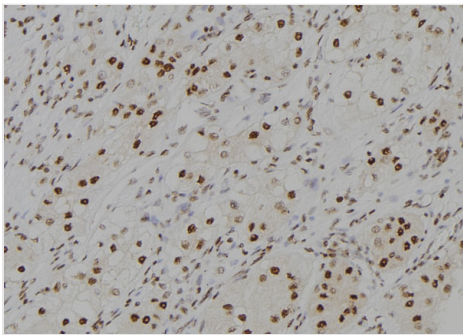
IHC (Immunohistochemistry)

At 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-FKBP4 antibody	Description: Immunophilin protein with PPlase and co-chaperone activities. Component of steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening. Acts also as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. May have a protective role against oxidative stress in mitochondria. Post Translational Modifications: Phosphorylation by CK2 results in loss of HSP90 binding activity. Subunit Structure: Homodimer (By similarity). Associates with HSP90AA1 and HSP70 in steroid hormone receptor complexes. Also interacts with peroxisomal phytanoyl-CoA alpha-hydroxylase (PHYH). Interacts with NR3C1 and dynein. Interacts with HSF1 in the HSP90 complex. Associates with tubulin. Interacts with MAPT/TAU. Interacts (via TPR domain) with S100A1, S100A2 and S100A6; the interaction is Ca2+ dependent. Interaction with S100A1 and S100A2 (but not with S100A6) leads to inhibition of FKBP4-HSP90 interaction. Interacts with dynein; causes partially NR3C1 transport to the nucleus. Similarity: The PPlase activity is mainly due to the first PPlase FKBP-type domain (1-138 AA). The C-terminal region (AA 375-458) is required to prevent tubulin polymerization. The chaperone activity resides in the C-terminal region, mainly between amino acids 264 and 400. The TPR repeats mediate mitochondrial localization.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503729
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NCBI GeneID	2288
NCBI Accession #	NP_002005.1
NCBI GenBank Nucleotide #	NP_002005.1
UniProt Accession #	Q02790
Molecular Weight	Observed: 51 kDa Predicted: 52 kDa
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP4
NCBI Official Synonym Full Names	FKBP prolyl isomerase 4
NCBI Official Symbol	FKBP4
NCBI Official Synonym Symbols	HBI; p52; Hsp56; FKBP51; FKBP52; FKBP59; PPIase
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP4
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP4
UniProt Gene Name	FKBP4
UniProt Synonym Gene Names	FKBP52; PPIase FKBP4; FKBP51; 52 kDa FKBP; FKBP-52; p59; FKBP-4; HBI
UniProt Entry Name	FKBP4_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://stage.aaabiotech.com/polyclonal/fkbp4-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328261>