

Rabbit FKBP1A Polyclonal Antibody | anti-FKBP1A antibody

FKBP1A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326364	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

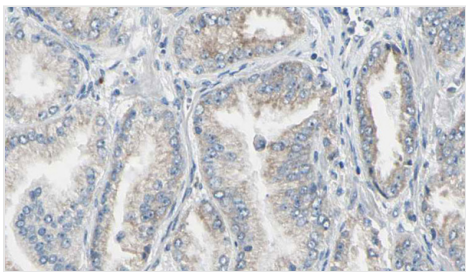
PRODUCT SYNONYMS

FKBP1A; Polyclonal Antibody; FKBP1A Antibody; 12 kDa FK506-binding protein; 12 kDa FKBP; Calstabin 1; FK506 binding protein 1; FK506 binding protein 12; FK506 binding protein 1A (12kD); FK506 binding protein 1A 12kDa; FK506 binding protein 1A; FK506 binding protein T cell 12 kD; FK506 binding protein; T cell; 12 kD; FK506 binding protein12; FK506-binding protein 1A; FKBP1A_HUMAN; FKBP 12; FKBP 1A; FKBP-12; FKBP-1A; FKBP1; FKBP12; FKBP12 Exip3; FKBP12C; fkbp1a; Immunophilin FKBP12; Peptidyl prolyl cis trans isomerase; Peptidyl-prolyl cis-trans isomerase FKBP1A; PKC12; PKC12; PPIase; PPIase FKBP1A; Protein kinase C inhibitor 2; Rotamase; anti-FKBP1A antibody

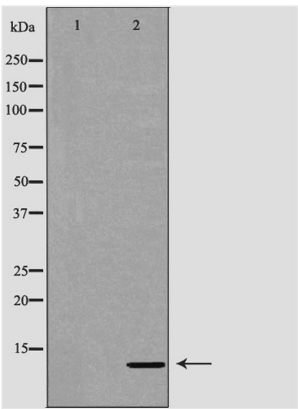
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FKBP1A antibody detects endogenous levels of total FKBP1A
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
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	108
Applicable Applications for anti-FKBP1A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FKBP1A
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Pig, Bovine, Rabbit, Xenopus
Similarity	Pig (100%), Bovine (100%), Rabbit (100%), Xenopus (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA326364 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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.



WB (Western Blot)
Western blot analysis of extracts of mouse cerebellum tissue, using FKBP1A antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-FKBP1A antibody	Description: 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. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex formation of the tetrameric skeletal muscle ryanodine receptor. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompaction of left ventricular myocardium. Multiple alternatively spliced variants, encoding the same protein, have been identified. The human genome contains five pseudogenes related to this gene, at least one of which is transcribed. [provided by RefSeq, Sep 2008] Function: Keeps in an inactive conformation TGFBR1, the TGF-beta type I serine/threonine kinase receptor, preventing TGF-beta receptor activation in absence of ligand. Recruits SMAD7 to ACVR1B which prevents the association of SMAD2 and SMAD3 with the activin receptor complex, thereby blocking the activin signal. May modulate the RYR1 calcium channel activity. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Subunit Structure: Interacts with TGFBR1; prevents TGFBR1 phosphorylation by TGFBR2 and stabilizes it in the inactive conformation (PubMed:9233797). Interacts with ACVR1B and SMAD7 (PubMed:16720724). Identified in a complex composed of RYR1, PDE4D, PKA, FKBP1A and protein phosphatase 1 (PP1) (By similarity). Interacts directly with RYR2 and RYR3 (PubMed:10358090, PubMed:22100703). Interacts directly with RYR1 (By similarity). Similarity: Belongs to the FKBP-type PPIase family. FKBP1 subfamily.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503725
NCBI GeneID	2280
NCBI Accession #	NP_000792.1
NCBI GenBank Nucleotide #	NM_000801.4
UniProt Accession #	P62942; P20071; Q4VC47; Q6FGD9; Q6LEU3; Q9H103; Q9H566; D3D VW6
Molecular Weight	Observed: 12 kDa Predicted: 12 kDa
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP1A isoform a
NCBI Official Synonym Full Names	FK506 binding protein 1A
NCBI Official Symbol	FKBP1A
NCBI Official Synonym Symbols	FKBP1; PKC12; PKCI2; FKBP12; PPIASE; FKBP-12; FKBP-1A

NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP1A
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP1A
UniProt Gene Name	FKBP1A
UniProt Synonym Gene Names	FKBP1; FKBP12; PPlase FKBP1A; 12 kDa FKBP; FKBP-12; FKBP-1A

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/fkbp1a-antibody-immunohistochemistry-western-blot-elisa/326364>