

Rabbit anti-Human FKBP7 Polyclonal Antibody | anti-FKBP7 antibody

Anti-FKBP7 Antibody, Rabbit Polyclonal

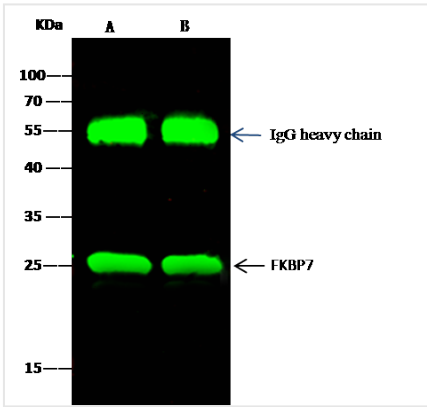
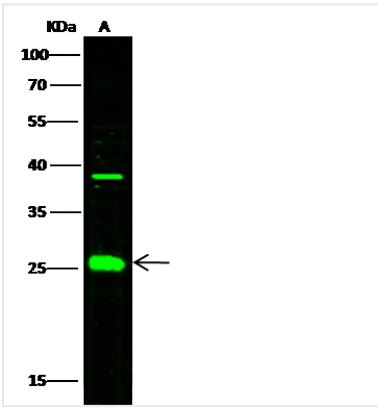
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255665	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

FKBP7; Polyclonal Antibody; Anti-FKBP7 Antibody; Rabbit Polyclonal; FKBP7/Rotamase Antibody; Rabbit PAb; Antigen Affinity Purified; FK506 binding protein 7; Anti-FKBP23 Antibody; Anti-PPIase Antibody; anti-FKBP7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human FKBP7/Rotamase
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-FKBP7 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human FKBP7/Rotamase protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human FKBP7/Rotamase (rh FKBP7/Rotamase). FKBP7/Rotamase specific IgG was purified by Human FKBP7/Rotamase affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-FKBP7 rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 26 kDa Observed band size: 26 kDa (We are unsure as to the identity of these extra bands).

IP (Immunoprecipitation)
FKBP7 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate Lane B: 0.5 mg 293T Whole Cell Lysate 2 uL anti-FKBP7 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-FKBP7 rabbit polyclonal antibody, at 1:200 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 26 kDa Observed band size: 26 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-FKBP7 antibody	PPLase is a member of the immunophilin protein family. It also belongs to the cyclophilin-type PPLase family, PPIL3 subfamily. PPLase contains 1 PPLase cyclophilin-type domain. Members of the immunophilin protein family play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. PPLases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. It has a very high substrate specificity for the four-residue peptide Ala-Ala-Pro-Phe only when the proline peptide bond is in the trans state. 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.
References	1. Shor B, et al. (2008) A new pharmacologic action of CCI-779 involves FKBP12-independent inhibition of mTOR kinase activity and profound repression of global protein synthesis. Cancer Res. 68(8):2934-43.2. Talmud PJ, et al. (2009) Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Am J Hum Genet. 85(5):628-42.3. Deleersnijder A, et al. (2011) Comparative analysis of different peptidyl-prolyl isomerases reveals FK506-binding protein 12 as the most potent enhancer of alpha-synuclein aggregation. J Biol Chem. 286(30):26687-701.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q9Y680
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP7
UniProt Gene Name	FKBP7
UniProt Synonym Gene Names	FKBP23
UniProt Entry Name	FKBP7_HUMAN

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