FKBP10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FKBP10, Polyclonal Antibody
Full Product Name	FKBP10, NT (Peptidyl-prolyl cis-trans Isomerase FKBP10, PPIase FKBP10, FK506-binding Protein 10, FKBP-10, Rotamase, Immunophilin FKBP65, 65kD FK506-binding Protein, FKBP-65, PSEC0056, FKBP65) (MaxLight 405)
Product Gene Name	anti-FKBP10 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human FKBP10.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	65kDa
OMIM	gene 610968
3D Structure	ModBase 3D Structure for Q96AY3
Immunogen	Synthetic peptide selected from the N-terminal region of human FKBP10 (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-FKBP10 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-FKBP10 antibody	Western Blot (WB), FLISA
Application Notes for anti-FKBP10 antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-FKBP10 antibody	MBS6476060 is an antibody targeting FKBP10. Also known as FKBP10, NT (Peptidyl-prolyl cis-trans Isomerase FKBP10, PPIase FKBP10, FK506-binding Protein 10, FKBP-10, Rotamase, Immunophilin FKBP65, 65kD FK506-binding Protein, FKBP-65, PSEC0056, FKBP65) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-FKBP10 antibody	1. Ishikawa, Y., J. Biol. Chem. 283(46), 31584-31590 (2008). 2. Foster, L.J., J. Proteome Res. 5(1), 64-75 (2006). 3. Zhang, H., Nat. Biotechnol. 21(6), 660-666 (2003).
Other Notes	Small volumes of anti-FKBP10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FKBP10. It may not necessarily be applicable to this product.

NCBI GI #	192448443
NCBI GeneID	60681
NCBI Accession #	NP_068758
UniProt Primary Accession #	Q96AY3
UniProt Related Accession #	Q96AY3
GenBank Nucleotide #	NM_021939
NCBI Official Full Name	peptidyl-prolyl cis-trans isomerase FKBP10
NCBI Official Synonym Full Names	FKBP prolyl isomerase 10
NCBI Official Symbol	FKBP10
NCBI Official Synonym Symbols	OI6; OI11; BRKS1; FKBP65; PPIASE; hFKBP65
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP10
UniProt Synonym Protein Names	65 kDa FK506-binding protein; 65 kDa FKBP; FKBP-65; FK506-binding protein 10; FKBP-10; Immunophilin FKBP65; Rotamase
Protein Family	Peptidyl-prolyl cis-trans isomerase
UniProt Gene Name	FKBP10
UniProt Synonym Gene Names	FKBP65; PSEC0056; PPIase FKBP10; 65 kDa FKBP; FKBP-65; FKBP-10
UniProt Entry Name	FKB10_HUMAN
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP10
NCBI Summary for FKBP10	The protein encoded by this gene belongs to the FKBP-type peptidyl-prolyl cis/trans isomerase (PPIase) family. This protein localizes to the endoplasmic reticulum and acts as a molecular chaperone. Alternatively spliced variants encoding different isoforms have been reported, but their biological validity has not been determined.[provided by RefSeq, Nov 2009]
UniProt Comments for FKBP10	FKBP10: PPIases accelerate the folding of proteins during protein synthesis. Defects in FKBP10 are the cause of osteogenesis imperfecta type 6 (OI6). 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. Protein type: EC 5.2.1.8; Isomerase Chromosomal Location of Human Ortholog: 17q21.2 Cellular Component: endoplasmic reticulum membrane; endoplasmic reticulum lumen Molecular Function: peptidyl-prolyl cis-trans isomerase activity; FK506 binding; calcium ion binding Biological Process: protein peptidyl-prolyl isomerization Disease: Osteogenesis Imperfecta, Type Xi; Bruck Syndrome 1
Research Articles on FKBP10	**1.** FKBP10 interacts with collagen VI and deficiency of FKBP10 reduces lung fibroblast migration by down-regulation of collage VI synthesis.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/fkbp10/6476060