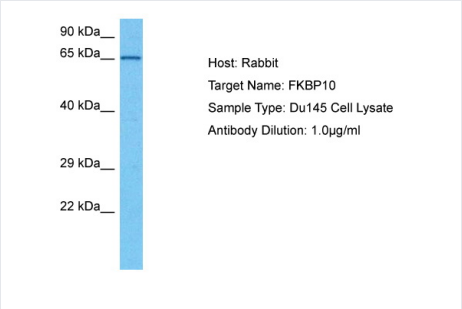
FKBP10 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FKBP10, Polyclonal Antibody
Full Product Name	FKBP10 Antibody - N-terminal region
Product Gene Name	anti-FKBP10 antibody
Product Synonym Gene Name	OI6; OI11; BRKS1; FKBP65; PPIASE; hFKBP65
Immunogen Sequence	Synthetic peptide located within the following region: NGTFEDGKKF DSSYDRNTLV AIVVGVGRLI TGMDRGLMGM CVNERRRLIV
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	FKBP10 peptide (MBS3247174) is used for blocking the activity of FKBP10 antibody (MBS3222506)
Molecular Weight	64 kDa
OMIM	gene 610968
3D Structure	ModBase 3D Structure for Q96AY3
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human FKBP10
Product Categories/Family for anti-FKBP10 antibody	Polyclonal; Membrane Protein; Cell Biology
Applications Tested/Suitable for anti-FKBP10 antibody	Western Blot (WB)
Related Product Information for anti-FKBP10 antibody	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.
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.
Searchable Terms for FKBP10 purchase	MBS3222506 is an antibody targeting FKBP10. Also known as FKBP10 Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-FKBP10 antibody
Host: RabbitTarget Name: FKBP10Sample Tissue: Human Du145 Whole Cell lysatesAntibody Dilution: 1ug/ml

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_068758.3
UniProt Primary Accession #	Q96AY3
UniProt Related Accession #	Q96AY3
GenBank Nucleotide #	NM_021939.3
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

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.
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