FKBP14 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FKBP14, Polyclonal Antibody
Full Product Name	FKBP14 (N-Term) Rabbit pAb
Product Gene Name	anti-FKBP14 antibody
Product Synonym Names	Peptidyl-prolyl cis-trans isomerase FKBP14; PPIase FKBP14; 22 kDa FK506-binding protein; 22 kDa FKBP; FKBP-22; FK506-binding protein 14; FKBP-14; Rotamase; FKBP14; FKBP22
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB19304
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Purity/Purification	Affinity Purified
OMIM	614505
3D Structure	ModBase 3D Structure for Q9NWM8
Immunogen	This FKBP14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 37-68 amino acids from the N-terminal region of human FKBP14.
Cellular Localization	Endoplasmic Reticulum
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FKBP14 antibody	Western Blot (WB), Immunohistochemistry (IHC), Flow Cytometry (FC/FACS)
Application Notes for anti-FKBP14 antibody	WB: 1:1000 IHC: 1:50-100 FC/FACS: 1:10-50
Related Product Information for anti-FKBP14 antibody	MBS8554685 is an antibody targeting FKBP14. Also known as FKBP14 (N-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-FKBP14 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 FKBP14. It may not necessarily be applicable to this product.

NCBI GI #	23821568
NCBI GeneID	55033
NCBI Accession #	Q9NWM8.1
UniProt Primary Accession #	Q9NWM8

UniProt Related Accession #	Q9NWM8
NCBI Official Full Name	Peptidyl-prolyl cis-trans isomerase FKBP14
NCBI Official Synonym Full Names	FKBP prolyl isomerase 14
NCBI Official Symbol	FKBP14
NCBI Official Synonym Symbols	EDSKMH; FKBP22; IPBP12; EDSKSCL2
UniProt Protein Name	Peptidyl-prolyl cis-trans isomerase FKBP14
UniProt Synonym Protein Names	22 kDa FK506-binding protein; 22 kDa FKBP; FKBP-22; FK506-binding protein 14; FKBP-14; Rotamase
Protein Family	Peptidyl-prolyl cis-trans isomerase
UniProt Gene Name	FKBP14
UniProt Synonym Gene Names	FKBP22; PPIase FKBP14; 22 kDa FKBP; FKBP-22; FKBP-14
UniProt Entry Name	FKB14_HUMAN
NCBI Protein Information	peptidyl-prolyl cis-trans isomerase FKBP14
NCBI Summary for FKBP14	The protein encoded by this gene is a member of the FK506-binding protein family of peptidyl-prolyl cis-trans isomerases. The encoded protein is found in the lumen of the endoplasmic reticulum, where it is thought to accelerate protein folding. Defects in this gene are a cause of a type of Ehlers-Danlos syndrome (EDS). Both a protein-coding variant and noncoding variants are transcribed from this gene. [provided by RefSeq, Mar 2012]
UniProt Comments for FKBP14	FKBP14: PPIases accelerate the folding of proteins during protein synthesis. Defects in FKBP14 are the cause of Ehlers-Danlos syndrome with progressive kyphoscoliosis, myopathy, and hearing loss (EDSKMH). A syndrome with features of Ehlers-Danlos syndrome types VIA and VIB on the one hand, and the collagen VI- related congenital myopathies Ullrich congenital muscular dystrophy and Bethlem myopathy on the other hand. Clinically, this disorder is characterized by the following features: severe generalized hypotonia at birth with marked muscle weakness that improve in infancy; early-onset progressive kyphoscoliosis; joint hypermobility without contractures; hyperelastic skin with follicular hyperkeratosis, easy bruising, and occasional abnormal scarring; myopathy as confirmed by muscle MRI, histology, and electron microscopy; hearing impairment, which is predominantly sensorineural; and a normal ratio of lysyl pyridinoline to hydroxylysyl pyridinoline (LP/HP) in urine. Protein type: Secreted, signal peptide; Secreted; Isomerase; EC 5.2.1.8 Chromosomal Location of Human Ortholog: 7p14.3 Cellular Component: endoplasmic reticulum membrane; endoplasmic reticulum lumen Molecular Function: FK506 binding; peptidyl-prolyl cis-trans isomerase activity; calcium ion binding Biological Process: protein peptidyl-prolyl isomerization; unfolded protein response, activation of signaling protein activity; cellular protein metabolic process; unfolded protein response Disease: Ehlers-danlos Syndrome With Progressive Kyphoscoliosis, Myopathy, And Hearing Loss
Research Articles on FKBP14	**1.** FKBP14 may act as an oncogene through suppressing apoptosis and promoting motility in human cervical carcinogenesis.
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/fkbp14/8554685