

[Go to Product page](#)

Datasheet for ABIN5608464

FKBP1A Protein (partial) (His tag)

Overview

Quantity:	100 µg
Target:	FKBP1A
Protein Characteristics:	partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKBP1A protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Sequence:	Met 1 - Glu 108
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.

Target Details

Target:	FKBP1A
Alternative Name:	FKBP12 (FKBP1A Products)
Background:	Peptidyl-prolyl cis-trans isomerase FKBP1A, a member of the FKBP-type PPIase family and FKBP1 subfamily, is also known as FK506-binding protein 1A, immunophilin FKBP12 and 12 kDa FK506-binding protein, which contains one PPIase FKBP-type domain. FKBP1A is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 (tacrolimus) and rapamycin

Target Details

(sirolimus).FKBP1A interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. FKBP1A can also interact with multiple intracellular calcium release channels including the tetrameric skeletal muscle ryanodine receptor. Furthermore, FKBP1A can recruit SMAD7 to ACVR1B which prevents the association of SMAD2 and SMAD3 with the activin receptor complex, thereby blocking the activin signal.

Molecular Weight:	12.8 kDa
Gene ID:	2280
UniProt:	P62942
Pathways:	Negative Regulation of Transporter Activity , Methionine Biosynthetic Process

Application Details

Application Notes:	This recombinant protein can be used for WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	50 mM HEPES, 150 mM NaCl, pH 7.5
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C,-80 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.