



Rabbit Anti-Human FKBP12 monoclonal antibody, clone 2I49M3 (CABT-L1302)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Pig, Cat
Target	FKBP1A
Immunogen	Peptides corresponding to human FKBP12 [1) aa72-85; 2) aa55-66]
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Hamster, Mouse, Rat
Clone	2I49M3
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction

FKBP12 is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. 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.

Keywords

FKBP1A;FK506 binding protein 1A, 12kDa;FKBP1;PKC12;PKC12;FKBP12;PPIASE;FKBP-12;FKBP-1A;peptidyl-prolyl cis-trans isomerase FKBP1A

GENE INFORMATION

Entrez Gene ID

[2280](#)

UniProt ID

[P62942](#)
