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# Datasheet for ABIN392172 anti-FKBP1A antibody (AA 43-74)

2 Images



### Overview

Quantity:	400 μL
Target:	FKBP1A
Binding Specificity:	AA 43-74
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FKBP1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This FKBP12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-74 amino acids from the Central region of human FKBP12.
Clone:	RB14521
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rb, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

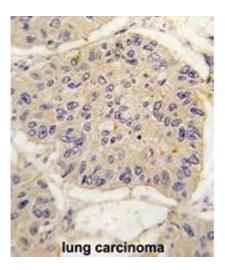
Target:

FKBP1A

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Target Details	
Alternative Name:	FKBP12 (FKBP1A Products)
Background:	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.
Molecular Weight:	11951
Gene ID:	2280
NCBI Accession:	NP_000792, NP_463460
UniProt:	P62942
Pathways:	Negative Regulation of Transporter Activity, Methionine Biosynthetic Process
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with FKBP12 antibody (Center) (ABIN392172 and ABIN2841886), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

### Western Blotting

**Image 2.** Western blot analysis of FKBP12 (arrow) using rabbit polyclonal FKBP12 Antibody (Center) (ABIN392172 and ABIN2841886). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the FKBP12 gene (Lane 2) (Origene Technologies).

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