



# 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

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

## BACKGROUND

---

|                     |   |
|---------------------|---|
| <b>Introduction</b> | 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. |
| <b>Keywords</b>     | FKBP1A;FK506 binding protein 1A, 12kDa;FKBP1;PKC12;PKCI2;FKBP12;PPIASE;FKBP-12;FKBP-1A;peptidyl-prolyl cis-trans isomerase FKBP1A   |

---

## GENE INFORMATION

Entrez Gene ID [2280](#)

UniProt ID [P62942](#)