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FKBP12/FKBP1A Monoclonal Antibody

catalog number: AN200098P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human

Immunogen Recombinant Human FKBP1A protein

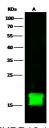
Host Mouse
Isotype IgG1
Clone A946
Purification Protein A

Buffer 0.2 µm filtered solution in PBS

Applications Recommended Dilution

WB 1:500-1:2000

Data



Western Blot with FKBP12 / FKBP1A Monoclonal Antibody at dilution of 1:500. Lane A: SH-SY5Y Whole Cell Lysate,

Lysates/proteins at 30 µg per lane.

Observed-MW:15 kDa Calculated-MW:12 kDa

Preparation & Storage

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when

stored at -20 $^{\circ}\text{C}$ to -80 $^{\circ}\text{C}$. Preservative-Free. Avoid repeated freeze-thaw cycles .

Shipping Ice bag

Background

The protein encoded by this gene 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 FK503 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. Multiple alternatively spliced variants, encoding the same protein, have been identified. The human genome contains five pseudogenes related to this gene, at least one of which is transcribed.

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