

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat FKBP25 in Western blots. In Western blots, this antibody does not cross-react with recombinant human FKBP12, FKBP12.6, FKBP13, FKBP38, FKBP51, or FKBP52.
Source	Monoclonal Rat IgG _{2B} Clone # 423325
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FKBP25 Ala2-Asp224 Accession # Q00688
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

FK506 binding protein, 25 kDa molecular weight (FKBP25), also called FKBP3, is a peptidyl-prolyl isomerase that catalyzes the transition between *cis*- and *trans*-proline residues critical for proper folding of proteins. The macrolide immunosuppressant Rapamycin is a potent inhibitor of FKBP25. FKBP25 is localized in the nucleus, where it alters the activity of histone deacetylases and transcription factors. It is found in many tissues, including brain, thymus, and spleen.

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