

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FKBP52 in Western blots. In Western blots, no cross-reactivity with other FKBP family members is observed.
Source	Monoclonal Rat IgG ₁ Clone # 425123
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FKBP52 Met1-Ala459 Accession # Q02790
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunohistochemistry	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, also called FKBP52 and FKBP4, is a peptidyl-prolyl isomerase that catalyzes the transition between cis- and trans- proline residues critical for proper folding of proteins. It associates with HSP90 complexes that are critical for the proper folding of steroid receptors. FKBP52 knockout mice have abnormal reproductive organ development due to disruption of androgen receptor folding; and phosphorylation of FKBP52 at Thr143 seems important for steroid receptor activity.

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