

## Product datasheet for **TA384229S**

### **FKBP52 (FKBP4) Rabbit Monoclonal Antibody [Clone ID: R03-4A3]**

#### **Product data:**

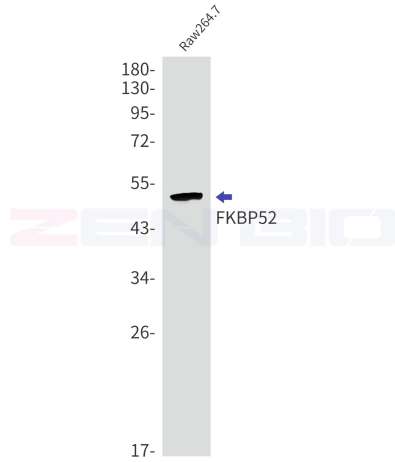
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	R03-4A3
<b>Applications:</b>	IF, WB
<b>Recommended Dilution:</b>	WB: 1/1000-1/5000 ICC/IF: 1/20-1/50
<b>Reactivity:</b>	Human, Mouse, Rat, Hamster
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	A synthetic peptide of human FKBP52
<b>Formulation:</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity Purified
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Stability:</b>	1 year
<b>Predicted Protein Size:</b>	Calculated MW: 52 kDa; Observed MW: 52 kDa
<b>Gene Name:</b>	FK506 binding protein 4
<b>Database Link:</b>	<a href="#">Entrez Gene 2288 Human Q02790</a>
<b>Background:</b>	Swiss-Prot Acc.Q02790.Immunophilin protein with PPIase and co-chaperone activities. Component of steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). May play a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors between cytoplasm and nuclear compartments. The isomerase activity controls neuronal growth cones via regulation of TRPC1 channel opening. Acts also as a regulator of microtubule dynamics by inhibiting MAPT/TAU ability to promote microtubule assembly. May have a protective role against oxidative stress in mitochondria.



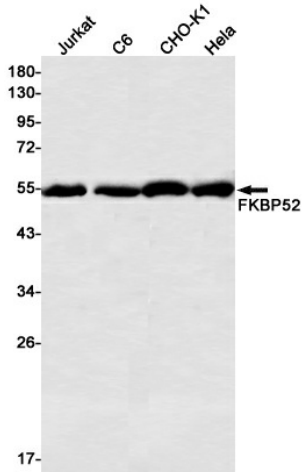
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Synonyms: FKBP52; FKBP59; HBI; Hsp56; p52; PPlase; rotamase

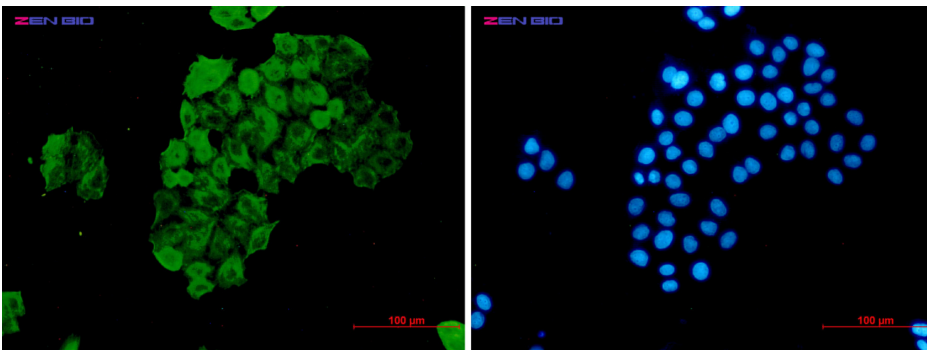
**Product images:**



Western blot detection of FKBP52 in Raw264.7 lysates using FKBP52 antibody. Predicted band size: 52kDa. Observed band size: 52kDa.



Western blot detection of FKBP52 in Jurkat, C6, CHO-K1, HeLa cell lysates using FKBP52 Rabbit mAb (1:500 diluted). Predicted band size: 52kDa. Observed band size: 52kDa.



Immunocytochemistry of FKBP52 (green) in HeLa using FKBP52 Rabbit mAb at dilution 1/50, and DAPI (blue)