

# FKBP52 Rabbit mAb

Catalog # AP75441

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">Q02790</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	51805

## Additional Information

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<b>Gene ID</b>	2288
<b>Other Names</b>	FKBP4
<b>Dilution</b>	WB~~1:1000-1:5000 IHC-P~~N/A
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	FKBP4
<b>Synonyms</b>	FKBP52
<b>Function</b>	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. Also acts 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.
<b>Cellular Location</b>	Cytoplasm, cytosol. Mitochondrion. Nucleus {ECO:0000250 UniProtKB:P30416}. Cytoplasm, cytoskeleton {ECO:0000250 UniProtKB:Q9QVC8}. Cell projection, axon {ECO:0000250 UniProtKB:Q9QVC8}. Note=Shuttles from mitochondria to

nucleus; co-localizes in mitochondria with the glucocorticoid receptor (PubMed:21730050). Colocalized with MAPT/TAU in the distal part of the primary cortical neurons (By similarity) {ECO:0000250 | UniProtKB:Q9QVC8, ECO:0000269 | PubMed:21730050}

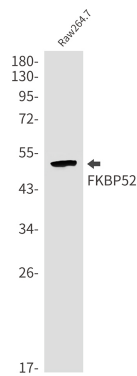
## Tissue Location

Widely expressed..

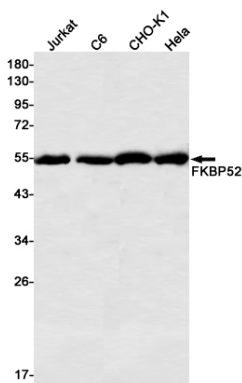
## Background

Immunophilin protein with PPIase and co-chaperone activities (By similarity). Component of unliganded steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90).

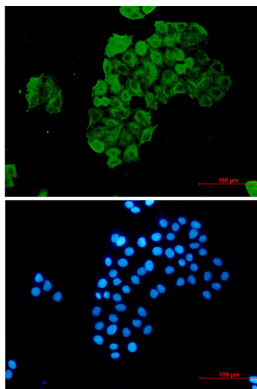
## Images



Western blot analysis of FKBP52 in Raw264.7 lysates using FKBP52 antibody.



Western blot analysis of FKBP52 in Jurkat, C6, CHO-K1, HeLa lysates using FKBP52 antibody.



Immunocytochemistry analysis of FKBP52 (green) in HeLa cells using FKBP52 antibody and DAPI (blue).

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