

# FKBP51 Rabbit mAb

Catalog # AP75440

## Product Information

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<b>Application</b>	WB, IHC-P, FC, IP
<b>Primary Accession</b>	<a href="#">Q13451</a>
<b>Reactivity</b>	Rat, Human
<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>	51212

## Additional Information

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<b>Gene ID</b>	2289
<b>Other Names</b>	FKBP5
<b>Dilution</b>	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:10~50 IP~~1:20
<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>	FKBP5
<b>Synonyms</b>	AIG6, FKBP51 {ECO:0000303 PubMed:2814727}
<b>Function</b>	Immunophilin protein with PPIase and co-chaperone activities (PubMed: <a href="#">11350175</a> ). Component of unligated steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). Plays a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors maintaining the complex into the cytoplasm when unliganded (PubMed: <a href="#">12538866</a> ). Acts as a regulator of Akt/AKT1 activity by promoting the interaction between Akt/AKT1 and PHLPP1, thereby enhancing dephosphorylation and subsequent activation of Akt/AKT1 (PubMed: <a href="#">28147277</a> , PubMed: <a href="#">28363942</a> ). Interacts with IKBKE and IKBKB which facilitates IKK complex assembly leading to increased IKBKE and IKBKB kinase activity, NF-kappa-B activation, and IFN production (PubMed: <a href="#">26101251</a> , PubMed: <a href="#">31434731</a> ).

## Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q64378}. Nucleus {ECO:0000250|UniProtKB:Q64378}

## Tissue Location

Widely expressed, enriched in testis compared to other tissues

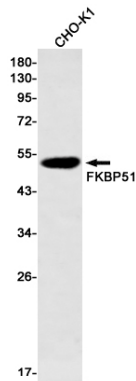
## Background

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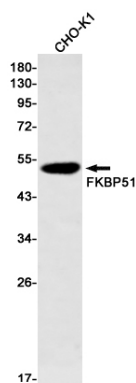
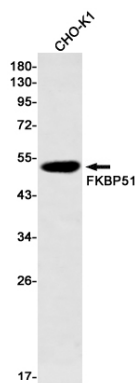
Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP.

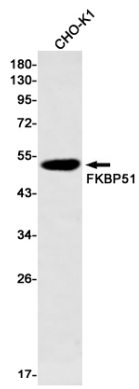
## Images

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Western blot analysis of FKBP51 in CHO-K1 lysates using FKBP51 antibody.





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