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FKBP51 Rabbit mAb

Catalog # AP75440

Product Information

Application	WB, IHC-P, FC, IP
Primary Accession	Q13451
Reactivity	Rat, Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	51212

Additional Information

Gene ID	2289
Other Names	FKBP5
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:10~50 IP~~1:20
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

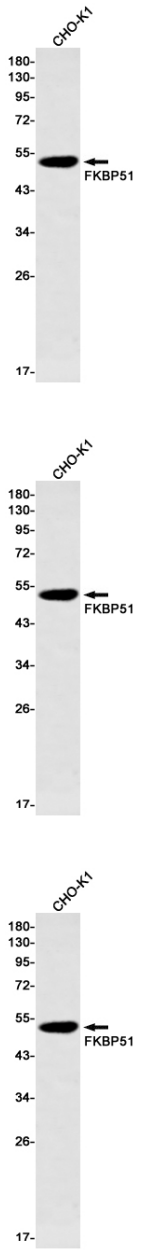
Name	FKBP5
Synonyms	AIG6, FKBP51 {ECO:0000303|PubMed:2814727
Function	Immunophilin protein with PPIase and co-chaperone activities (PubMed:11350175). Component of unligated steroid receptors heterocomplexes through interaction with heat-shock protein 90 (HSP90). Plays a role in the intracellular trafficking of heterooligomeric forms of steroid hormone receptors maintaining the complex into the cytoplasm when unliganded (PubMed:12538866). 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:28147277, PubMed:28363942). 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:26101251, PubMed:31434731).

Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q64378}. Nucleus {ECO:0000250|UniProtKB:Q64378}
Tissue Location	Widely expressed, enriched in testis compared to other tissues

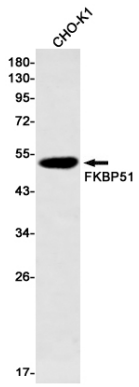
Background

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

Images



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



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