

FKBP51 Rabbit mAb

Catalog # AP75440

Product Information

Application	WB, IP
Primary Accession	Q13451
Reactivity	Hamster
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	51212

Additional Information

Gene ID	2289
Other Names	FKBP5
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	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.

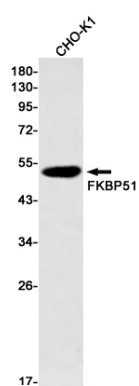
Protein Information

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

Images



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