10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

FKBP51 Antibody

Rabbit mAb
Catalog # AP91950

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	Q13451
Reactivity	Rat, Human
Clonality	Monoclonal
Other Names	AIG6; FKBP5; FKBP51; FKBP54; P54; PPIase; PPIase FKBP5; Ptg10;Rotamase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	51212

Additional Information

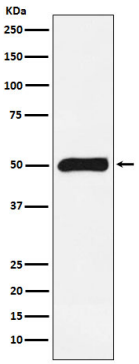
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human FKBP51
Description	Interacts with functionally mature heterooligomeric progesterone receptor complexes along with HSP90 and TEBP.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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



Western blot analysis of FKBP51 expression in Caco-2 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.