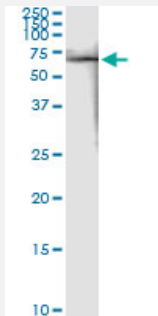


FKBP4 (Human) IP-WB Antibody Pair

Catalog # H00002288-PW2

Size 1 Set

Applications



Immunoprecipitation of FKBP4 transfected lysate using mouse monoclonal anti-FKBP4 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with rabbit polyclonal anti-FKBP4.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89%); Rat (89%)
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of FKBP4 transfected lysate using mouse monoclonal anti-FKBP4 and Protein A Magnetic Bead (U0007), and immunoblotted with rabbit polyclonal anti-FKBP4.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-FKBP4 (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-FKBP4 (50 ul)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

Gene Info — FKBP4

Entrez GeneID [2288](#)

Gene Name FKBP4

Gene Alias FKBP52, FKBP59, HBI, Hsp56, PPlase, p52

Gene Description FK506 binding protein 4, 59kDa

Omim ID [600611](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It has high structural and functional similarity to FK506-binding protein 1A (FKBP1A), but unlike FKBP1A, this protein does not have immunosuppressant activity when complexed with FK506. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes. This encoded protein is known to associate with phytyl-CoA alpha-hydroxylase. It can also associate with two heat shock proteins (hsp90 and hsp70) and thus may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. This protein correlates strongly with adeno-associated virus type 2 vectors (AAV) resulting in a significant increase in AAV-mediated transgene expression in human cell lines. Thus this encoded protein is thought to have important implications for the optimal use of AAV vectors in human gene therapy. The human genome contains several non-transcribed pseudogenes similar to this gene. [provided by RefSeq]

Other Designations 52 kD FK506 binding protein|FK506 binding protein 4 (59kD)|FK506 binding protein 52|FK506-binding protein 4 (59kD)|HSP binding immunophilin|T-cell FK506-binding protein, 59kD|p59 protein|peptidylprolyl cis-trans isomerase|rotamase

Disease

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- [Glaucoma](#)
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- [Syndrome](#)