

32-5972: Mouse Anti Human FK506 Binding Protein 4(Clone:PAT4D3AT.)

Clonality :	Monoclonal
Clone Name :	PAT4D3AT.
Application :	ELISA,WB ,IHC
Gene :	FKBP4
Gene ID :	2288
Uniprot ID :	Q02790
Format :	Purified
Alternative Name :	HBI,p52,Hsp56,FKBP52,FKBP59,PPIase,FKBP4,FK506-binding protein 4,Peptidyl-prolyl cis-trans isomerase,HSP-binding immunophilin,FKBP52 protein,52 kDa FK506-binding protein,p59 protein.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human FKBP4 mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human FKBP4 amino acids 1-459 purified from E. coli.

Description

FKBP4 is part of the immunophilin protein family, which takes part in immunoregulation and necessary cellular processes concerning protein folding and trafficking. FKBP4 is a cis-trans prolyl isomerase that connects to the immunosuppressants FK506 and rapamycin. FKBP4 has high structural and functional similarity to FKBP1A, though, FKBP4 does not have immunosuppressant activity when complexed with FK506. FKBP4 interacts with interferon regulatory factor-4 and is involved in immunoregulatory gene expression in B and T lymphocytes. FKBP4 is known to connect with phytanoyl-CoA alpha-hydroxylase. FKBP4 associates with HSP90 & HSP70 thus takes part in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. FKBP4 highly associates with adeno-associated virus type 2 vectors (AAV) resulting in a considerable increase in AAV-mediated transgene expression in human cell lines. FKBP4 is involved in the optimal use of AAV vectors in human gene therapy.

Product Info

Amount :	20 µg
Purification :	FKBP4 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

FKBP4 antibody has been tested by ELISA, Western blot and immunohistochemistry analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot is 1:1,000 ~ 1:2,000 and immunohistochemistry analysis is 1:50~100. Recommended starting dilution for Western blot is 1:1,000 and Immunohistochemistry is 1:50.