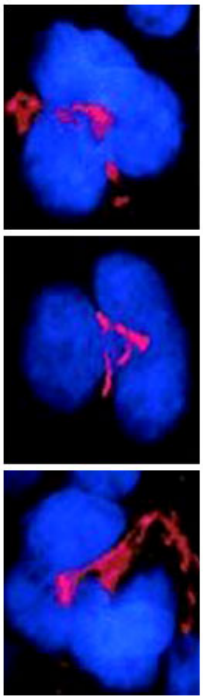
FKBP5 monoclonal antibody, clone Hi51B

Catalog # MAB6633 Size 100 ug

Applications



Immunofluorescence

Immunofluorescence localization in normal MK cells shown in red.
Using with FKBP5 monoclonal antibody, clone Hi51B (Cat # MAB6633).
Courtesy of the Hospital Henri Mondor, France.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of FKBP5.
Immunogen	A synthetic peptide corresponding to human FKBP5.
Host	Mouse
Reactivity	Dog, Hamster, Human, Mouse, Rabbit, Rat
Specificity	Detects an ~51KDa protein representing FKBP51 in cell lysate. Also detects FKBP51 in whole tissue extracts from rat kidney and rat and mouse testes.
Form	Liquid

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Isotype	IgG
Recommend Usage	Western Blot (1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescence localization in normal MK cells shown in red.
  Using with FKBP5 monoclonal antibody, clone Hi51B (Cat # MAB6633).
  Courtesy of the Hospital Henri Mondor, France.

- Western Blot

Gene Info — FKBP5

Entrez GeneID	2289
Gene Name	FKBP5
Gene Alias	FKBP51, FKBP54, MGC111006, P54, PPIase, Ptg-10
Gene Description	FK506 binding protein 5
Omim ID	602623 608516
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the immunophilin protein family, which play a rol e in immunoregulation and basic cellular processes involving protein folding and trafficking. This e ncoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and r apamycin. It is thought to mediate calcineurin inhibition. It also interacts functionally with mature he tero-oligomeric progesterone receptor complexes along with the 90 kDa heat shock protein and P23 protein. This gene has been found to have multiple polyadenylation sites. Alternative splicing results in multiple transcript variants.[provided by RefSeq

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Other Designations	51 kDa FK506-binding protein 5|54 kDa progesterone receptor-associated immunophilin|FF1 antigen|FK506-binding protein 5|HSP90-binding immunophilin|OTTHUMP00000016268|T-cell FK506-binding protein|peptidylprolyl cis-trans isomerase|rotamase

Publication Reference

- 3D structure of human FK506-binding protein 52: implications for the assembly of the glucocorticoid receptor/Hsp90/immunophilin heterocomplex.

  Wu B, Li P, Liu Y, Lou Z, Ding Y, Shu C, Ye S, Bartlam M, Shen B, Rao Z.

  PNAS 2004 May; 101(22):8348.

- C-terminal sequences outside the tetratricopeptide repeat domain of FKBP51 and FKBP52 cause differential binding to Hsp90.

  Cheung-Flynn J, Roberts PJ, Riggs DL, Smith DF.

  The Journal of Biological Chemistry 2003 May; 278(19):17388.

- A new first step in activation of steroid receptors: hormone-induced switching of FKBP51 and FKBP52 immunophilins.

  Davies TH, Ning YM, Sanchez ER.

  The Journal of Biological Chemistry 2001 Dec; 277(7):4597.

Disease

- Addison Disease
- Alcoholism
- Anxiety Disorders
- Asthma
- Bipolar Disorder
- Depressive Disorder
- Dysthymic Disorder
- Genetic Predisposition to Disease
- Glaucoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- HIV Infections
- Inflammation
- Mood Disorders
- Personality Inventory
- Personality Tests
- Recurrence
- Stress
- Stress Disorders
- Substance-Related Disorders
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.