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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
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Datasheet

FKBP4 monoclonal antibody (M01), clone 5C11

Catalog Number: H00002288-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant FKBP4.

Clone Name: 5C11

Immunogen: FKBP4 (AAH07924, 301 a.a. ~ 410 a.a.) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

EYESSFSNEEAQKAQALRLASHLNLAMCHLKLQAFSA
AIESCNKALELDSNNEKGLFRRGEAHLAVNDFELARAD
FQKVLQLYPNNKAAKTQLAVCQQRIRRLAREKKL

Host: Mouse

Reactivity: Human, Mouse, Rat

Applications: ELISA, IHC-P, IP, S-ELISA, WB-Ce, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2288

Gene Symbol: FKBP4

Gene Alias: FKBP52, FKBP59, HBI, Hsp56, PPIase, p52

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 phytanoyl-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]

References:

1. The functional landscape of Hsp27 reveals new cellular processes such as DNA repair and alternative splicing and proposes novel anticancer targets. Katsogiannou M, Andrieu C, Baylot V, Baudot A, Dusetti NJ, Gayet O, Finetti P, Garrido C, Birnbaum D, Bertucci F, Brun C, Rocchi P Mol Cell Proteomics. 2014 Oct 2. pii: mcp.M114.041228.
2. Identification of a New Panel of Serum Autoantibodies Associated with the Presence of In situ Carcinoma of the Breast in Younger Women. Desmetz C, Bascoul-Mollevi C, Rochaix P, Lamy PJ, Kramar A, Rouanet P, Maudelonde T, Mange A, Solassol J. Clin Cancer Res. 2009 Jul 15;15(14):4733-41. Epub 2009 Jul 7.