

Anti-FKBP52 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 11103 (clone Hi52C)
Size: 100ug in PBS, pH 7.4, purified by Protein G affinity chromatography.

BACKGROUND

FK506-binding proteins, FKBP51 and FKBP52, are high molecular weight immunophilins that are part of the mature glucocorticoid receptor heterocomplex. The N-terminal domains of these proteins bind FK506 and have peptidyl-prolyl isomerase activity that converts prolyl peptide bonds within target proteins from cis- to trans-proline. The C-terminal domains contain the tetratricopeptide repeats that are involved in protein-protein interactions with Hsp90. Although FKBP52 and FKBP51 share ~75% sequence similarity, they affect hormone binding by glucocorticoid receptors differently and have different Hsp90-binding characteristics. In addition, FKBP51 is linked to the progesterone receptor while FKBP52 is linked to progesterone, androgen, and glucocorticoid receptors.

SPECIFICATION SUMMARY

Antigen: Recombinant full-length FKBP52 with an N-terminal polyhistidine tag.
Host Species: Mouse
Antibody Class: IgG1
Preservatives: 0.09% sodium azide
Other Additives: 50% glycerol

SPECIFICITY

This antibody recognizes human, mouse, rat, dog, and hamster FKBP52.

APPLICATIONS

Immunoblotting: use at 0.5-1ug/ml. A band of ~52 kDa is detected.

Immunohistochemistry: use at 4-5ug/ml

Immunoprecipitation: 5ug on 10-20ul Protein A-Sepharose + 100ul sample.

These are recommended concentrations.

User should determine optimal concentrations for their application.

Positive control: HeLa cell lysate, rat kidney and rat/mouse testes tissue extracts.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freezing and thawing.

REFERENCE

Nair, SC et al. 1997 Mol Cell Biol 17: 594-603

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.