

Human FKBP52/FKBP4 antibody

Catalog Number: ATGA0142

PRODUCT INFORMATION

Catalog number

ATGA0142

Clone No.

AT4D3

Product type

Monoclonal Antibody

UnitProt No.

Q02790

NCBI Accession No.

NP_002005

Alternative Names

FK506 binding protein 4, FK506 binding protein 4 52 kDa FK506 binding protein, FKBP 4, FKBP 52, FKBP 59, HBI, Hsp 56, HSP binding immunophilin, p52, p59 protein, Peptidylprolyl cis trans isomerase, PPlase, Rotamase, T cell FK506 binding protein 59kD

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human FkBP4 (1-459aa) purified from E. coli

Isotype

IgG2b kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, ICC/IF, IHC, FACS

Usage

The antibody has been tested by ELISA, Western blot, ICC/IF, FACS and IHC analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

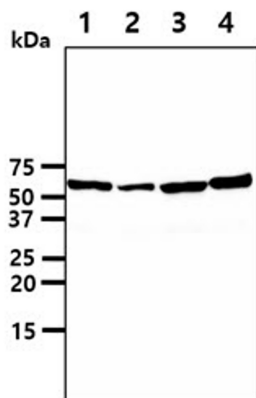
FkBP4, also known as FkBP52, is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. It is a component of unactivated mammalian steroid receptor complexes and may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes.

General References

Ostrow KL, et al., (2009) Clin Cancer Res. 15(4):1184-91.
Ma D, et al., (2008) J Biol Chem. 283(38):25963-70.

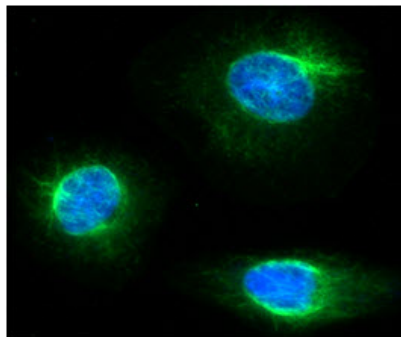
DATA

Western blot analysis (WB)



The cell lysates(40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FKBP52 /FKBP4 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: HeLa cell lysate
Lane 2.: K562 cell lysate
Lane 3.: Jurkat cell lysate
Lane 4.: MCF7 cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)

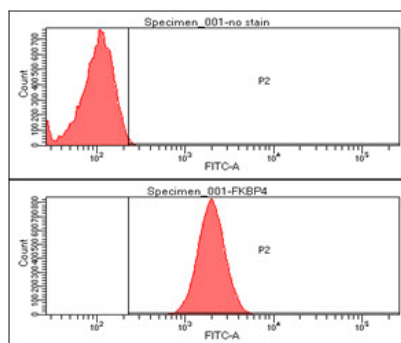


ICC/IF analysis of FKBP52 /FKBP4 in HeLa cells. The cell was stained with ATGA0142 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Flow cytometry (FACS)

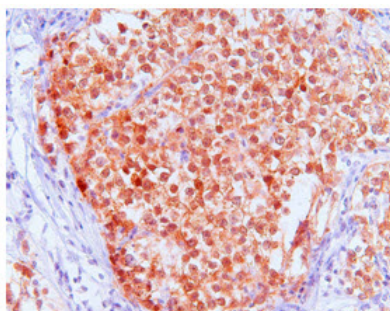
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Flow cytometry analysis of FKBP52 /FKBP4 in HeLa cell line, staining at 2-5ug for 1×10^6 cells. The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.

Immunohistochemistry (IHC)



Seminoma (Germ cell tumor)

Paraffin embedded sections of Seminoma (Germ cell tumor) tissue were incubated with anti-human FKBP52 /FKBP4 (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)