

Human FKBP22/FKBP14 antibody

Catalog Number: ATGA0436

PRODUCT INFORMATION

Catalog number

ATGA0436

Clone No.

AT18E2

Product type

Monoclonal Antibody

UnitProt No.

Q9NWM8

NCBI Accession No.

NP_060416

Alternative Names

22 kDa FK506 binding protein, FK506 binding protein 14 (22 kDa), FKBP22, Peptidyl prolyl cis trans isomerase, Peptidyl-prolyl cis-trans isomerase FKBP14, PPIase, Rotamase

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 FKBP14 (20-211aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot and ICC/IF 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

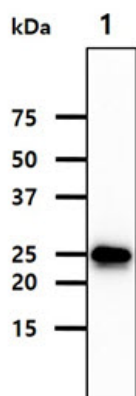
FKBP14, also known as 22 kDa FK506-binding protein, is an enzyme that accelerates the folding of proteins during protein synthesis. This protein contains two EF-hand domains and one PPlase FKBP-type domain. Truncation of the amino-terminus of FKBP14 greatly reduces peptidyl prolyl cis-trans isomerase activity, therefore suggesting that the PPlase FKBP-type domain must be located at the N-terminus.

General References

Tremmel D., et al. (2007) J Mol Biol. 369(1): 55-68.
Budiman C., et al. (2009) FEBS J. 276(15): 4091-101.

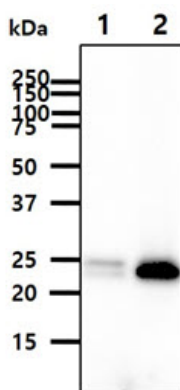
DATA

Western blot analysis (WB)



The cell lysate (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FKBP14 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



The cell lysates (20ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FKBP14 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

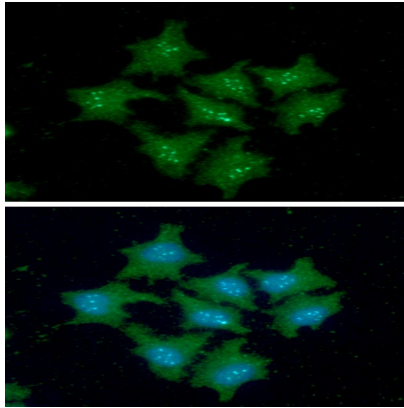
Lane 1. : 293T cell lysate

Lane 2. : FKBP14 Transfected 293T cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of FKBP14 in HeLa cells. The cell was stained with ATGA0436 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).