NKMAXBio We support you, we believe in your research

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, PPlase, 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.



NKMAXBIO We support you, we believe in your research

Human FKBP22/FKBP14 antibody

Catalog Number: ATGA0436

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

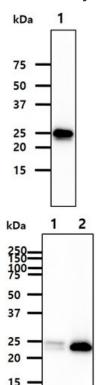
FKBP14, also known as 22 kDa FK506-binding protein, is an enzyme that accelerates the folding of proteins during protein synthesis. This protein contains two EF-hand domains and one PPlase FKBP-type domain. Truncation of the amino-terminus of FKBP14 greatly reduces peptidyl prolyl cis-trans isomerase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

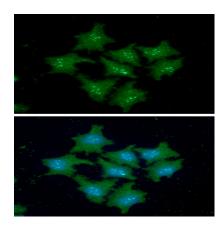
Immunocytochemistry/Immunofluorescence (ICC/IF)



NKMAXBio we support you, we believe in your research

Human FKBP22/FKBP14 antibody

Catalog Number: ATGA0436



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).

