

Human CSK antibody

Catalog Number: ATGA0463

PRODUCT INFORMATION

Catalog number

ATGA0463

Clone No.

AT7C6

Product type

Monoclonal Antibody

UnitProt No.

P41240

NCBI Accession No.

NP_001120662

Alternative Names

Tyrosine-protein kinase CSK, Tyrosine-protein kinase CSK, C-Src kinase, Protein-tyrosine kinase CYL, Tyrosine protein kinase CSK

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 CSK (1-450aa) purified from E. coli

Isotype

IgG2b 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

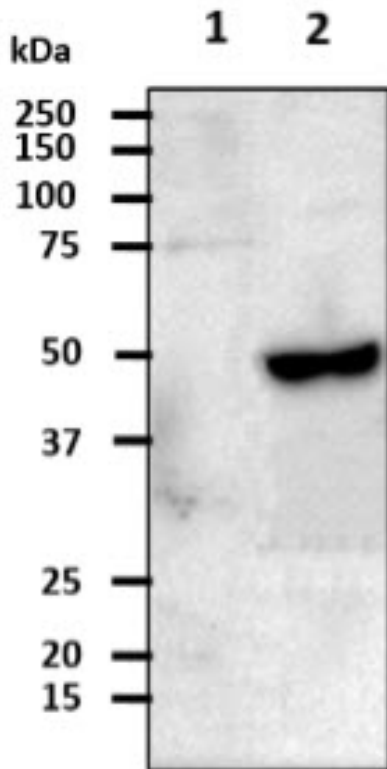
CSK is a tyrosine-protein kinase CSK that plays an important role in the regulation of cell growth, differentiation, migration and immune response. Suppresses signaling by various surface receptors, including T-cell receptor (TCR) and B-cell receptor (BCR) by phosphorylating and maintaining inactive several positive effectors such as FYN or LCK.

General References

Braeuninger A., et al. (1991) Proc. Natl. Acad. Sci. U.S.A. 88: 10411-10415.

DATA

Western blot analysis (WB)

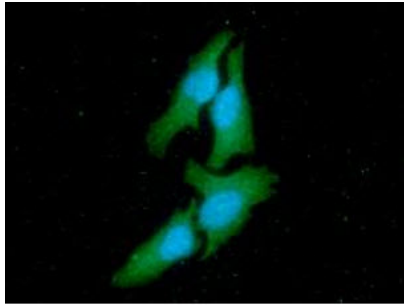


The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CSK antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: 293T cell lysate
Lane 2.: CSK transfected 293T cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of CSK in HeLa cells. The cell was stained with ATGA0463 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).