

Human AHSA1 antibody

Catalog Number: ATGA0388

PRODUCT INFORMATION

Catalog number

ATGA0388

Clone No.

AT3E9

Product type

Monoclonal Antibody

UnitProt No.

O95433

NCBI Accession No.

NP_036243

Alternative Names

Activator of Hsp90 ATPase-1 (AHA1, 19-337), AHA1, AHSA1, Activator of Hsp90 ATPase protein 1, Hsp90 co-chaperone AHA1, Activator of Hsp90 ATPase-1 Activator of 90 kDa heat shock protein ATPase homolog 1, Activator of heat shock 90kDa protein ATPase homolog 1, C14orf3, HSPC322, p38

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 AHA1(19-337aa) 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 analysis and ICC/IF to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution for Western blot analysis is 1:1000.

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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

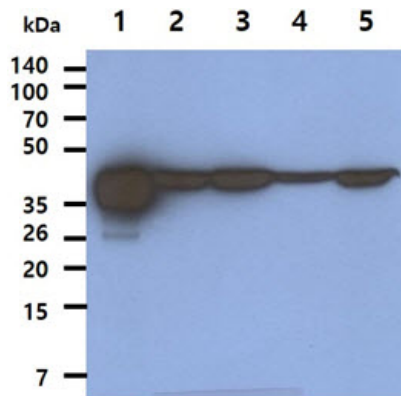
The Co-chaperone AHA1 (Activator of HSP90 ATPase-1) is proposed to function as an ATPase activating protein. May affect a step in the endoplasmic reticulum to Golgi trafficking. It expressed in numerous tissues, including brain, heart, skeletal muscle and kidney and, at lower levels, liver and placenta.

General References

Meyer P., et al. (2004) EMBO. 23(6): 1402-1410.
Siligardi G., et al. (2004) J Biol Chem. 270(50): 51989-51998.

DATA

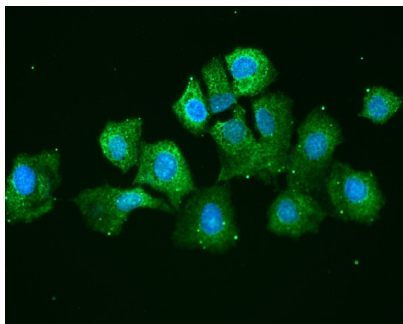
Western blot analysis (WB)



The Recombinant Human AHA1 (50ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human AHA1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1. : AHA1 Recombinant protein
Lane 2. : MCF-7 cell lysate
Lane 3. : PC-3 cell lysate
Lane 4. : 293T cell lysate
Lane 5. : HeLa cell lysate

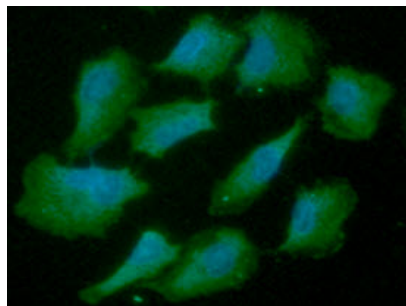
Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of AHA1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human AHA1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

Human AHA1 antibody

Catalog Number: ATGA0388



ICC/IF analysis of AHA1 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human AHA1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).