

Human HSP40/DNAJB1 antibody

Catalog Number: AHS0716

PRODUCT INFORMATION

Catalog number

AHS0716

Clone No.

k1C7

Product type

Monoclonal Antibody

UnitProt No.

P25685

NCBI Accession No.

NM_006145

Alternative Names

Heat shock 40 kDa protein 1, DNAJB1, DNAJ1, HDJ1, HSPF1, HSP40 (DNAJ), Heat shock 40 kDa protein 1, Heat shock protein 40, HSP40, Dnaj protein homolog 1, HDJ-1, Dnaj homolog subfamily B member 1, Heat shock 40 kDa protein 1, radial spoke 16 homolog B (Chlamydomonas), Hsp40, Sis1, RSPH16B,

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 Hsp40(1-340aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~ 2,000. Recommended starting dilution is

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1:1,000.

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

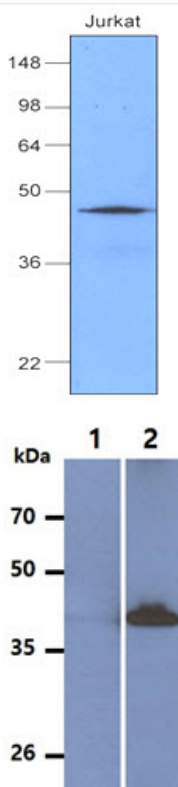
Human Hsp40 (heat shock protein with molecular size of 40kDa) is one of the mammalian homologues of bacterial Dnaj heat shock protein and regulates cellular processes by aiding in the folding, transport and assembly. Hsp40 protein contains the J-domain which controls interaction with the ATPase domain of Dnak.

General References

- Hata M et al.,(1996) Genomics 38(3):446-449
- Manishkumar et al.,(2005) J Biol Chem 280(48):40041-40050
- Christine M et al.,(2007) Genetics 175(4):1649-1664

DATA

Western blot analysis (WB)



The Cell lysates of Jurkat (50ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HSP40 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HSP40 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.: HSP40 Transfected 293T cell lysate