

HSP40 Rabbit mAb

Catalog No.: A23957

Recombinant

3 Publications

Basic Information

Observed MW

40kDa

Calculated MW

27kDa/38kDa

Category

Primary antibody

Applications

WB,FC (intra),ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC62654

Background

This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DnaJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:1000 - 1:2000**FC (intra)** 1:500 - 1:1000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

3337

Swiss Prot

P25685

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

DNAJB1; HSPF1; Hdj1; Hsp40; RSPH16B; Sis1; dnaJ homolog subfamily B member 1; HSP40

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

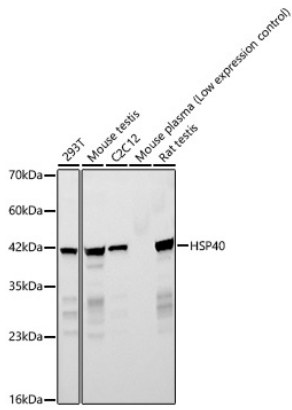
Affinity purification

Storage

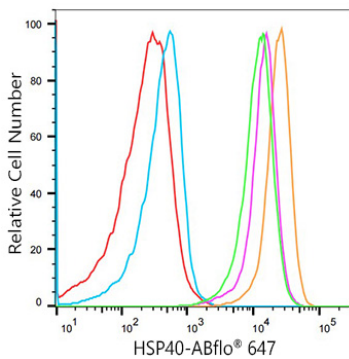
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of various lysates, using HSP40 Rabbit mAb (A23957) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s.



Flow cytometry: 1×10^6 293T-HSP40-shRNA-1 cells (pink line), 293T-HSP40-shRNA-2 cells (green line) and 293T-scramble cells (orange line) were intracellularly-stained with HSP40 Rabbit mAb (A23957, 2µg/mL) or ABflo® 647 Rabbit IgG isotype control (A22070, 2µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).