

# HSP40 Rabbit mAb

Catalog No.: A23957 **Recombinant** **2 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

A synthetic peptide corresponding to a sequence within amino acids 241-340 of human DNAJB1/HSP40 (NP\_006136.1).

### 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

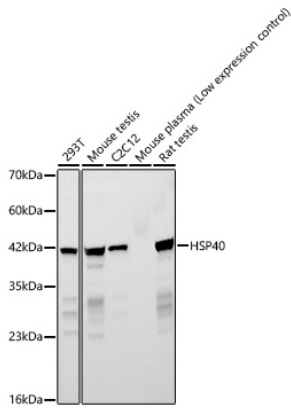
Affinity purification

### Storage

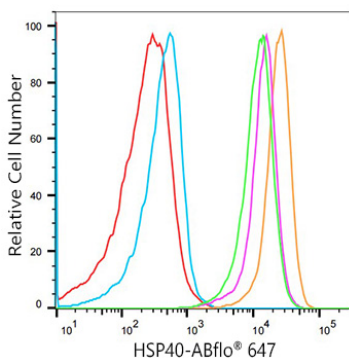
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## 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:  $1 \times 10^6$  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).