

# ABflo® 594 Rabbit anti-Human DNAJB1/HSP40 mAb

Catalog No.: A25529

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

27kDa/38kDa

### Category

Primary antibody

### Applications

FC (intra)

### Cross-Reactivity

Human

### CloneNo number

ARC62654-ABflo594

### Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

## Recommended Dilutions

**FC (intra)**      5 µl per 10<sup>6</sup> cells in  
100 µl volume

## 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.

## 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

Hdj1; Sis1; HSPF1; Hsp40; RSPH16B

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

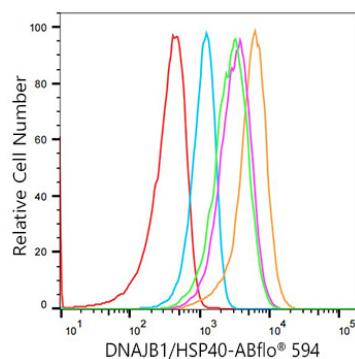
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

## Validation Data

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Flow cytometry: 1X10<sup>6</sup> 293T-DNAJB1/HSP40-shRNA-1 cells (pink line) 293T-DNAJB1/HSP40-shRNA-2 cells (green line) and 293T-scramble cells (orange line) were intracellularly-stained with ABflo® 594 Rabbit anti-Human DNAJB1/HSP40 mAb (A25529, 5 µl/Test) or ABflo® 594 Rabbit IgG isotype control (A23821, 5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).