

**DNAJA4 Antibody**  
**Catalog # ASC11909****Specification**

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**DNAJA4 Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | <b>WB, E</b>  |
| Primary Accession | <a href="#">Q8WW22</a>                                |
| Other Accession   | <a href="#">NP_061072</a> , <a href="#">194328758</a> |
| Reactivity        | <b>Human, Mouse, Rat</b>                              |
| Host              | <b>Rabbit</b>   |
| Clonality         | <b>Polyclonal</b>                                     |
| Isotype           | <b>IgG</b>  |
| Calculated MW     | <b>Predicted: 41, 44, 47 kDa</b>                      |

|                   |   |
|-------------------|---|
| Application Notes | <b>Observed: 40 kDa KDa</b><br><b>DNAJA4 antibody can be used for detection of DNAJA4 by Western blot at 1 - 2 µg/ml.</b> |
|-------------------|---|

**DNAJA4 Antibody - Additional Information**

Gene ID **55466**

**Target/Specificity**

DNAJA4; DNAJA4 antibody is human, mouse, and rat reactive. At least three isoforms of DNAJA4 are known to exist; this antibody will detect all three isoforms.

**Reconstitution & Storage**

DNAJA4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

**Precautions**

DNAJA4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**DNAJA4 Antibody - Protein Information**

**Name** DNAJA4

**Cellular Location**

Membrane; Lipid-anchor

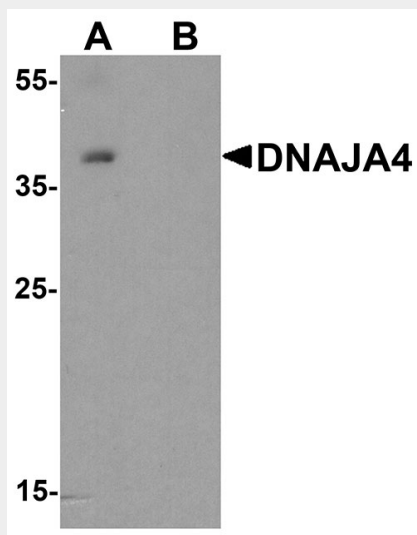
**DNAJA4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### DNAJA4 Antibody - Images



Western blot analysis of DNAJA4 in human colon tissue lysate with DNAJA4 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking peptide.

#### DNAJA4 Antibody - Background

The DNAJA4 protein is the mammalian homolog of the chaperone HSP40 (1) and acts as a co-chaperone with the heat shock protein HSP70 (2). DNAJA4 is highly expressed in heart and testis, accounting for approximately 1% of total protein in mouse heart (2). DNAJA4 is also regulated by the sterol regulatory element binding transcription factor 2 (SREBF2) and plays a role in the synthesis of cholesterol (3).

#### DNAJA4 Antibody - References

Ohtsuka K and Hata M. Mammalian HSP40/DNAJ homologs: cloning of novel cDNAs and a proposal for their classification and nomenclature. *Cell Stress Chaperones* 2000; 5:98-112.  
Abdul KM, Terada K, Gotoh T, et al. Characterization and functional analysis of a heart-enriched Dnaj / Hsp40 homolog dj4/DjA4. *Cell Stress Chaperones* 2002; 7:156-66.  
Robichon C, Varret M, Le Liepvre X, et al. DnajA4 is a SREBP-regulated chaperone involved in the cholesterol biosynthesis pathway. *Biochim. Biophys. Acta* 2006; 1761:1107-13.