

DNAJA4 Antibody Catalog # ASC11909

Specification

DNAJA4 Antibody - Product Information

Application	WB, E
Primary Accession	Q8WW22
Other Accession	NP_061072, 194328758
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 41, 44, 47 kDa
Application Notes	Observed: 40 kDa DNAJA4 antibody can be used for detection of DNAJA4 by Western blot at 1 - 2 µg/ml.

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

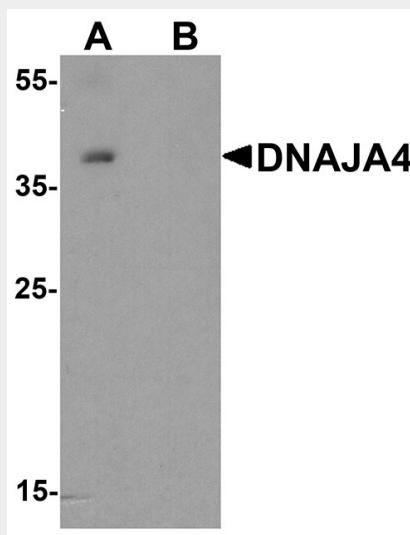
DNAJA4 Antibody - Protocols

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.