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DNAJA4 Antibody
Catalog # ASC11909

Specification

DNAJA4 Antibody - Product Information

Application	**WB**
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** **Observed: 40 kDa KDa**
Application Notes	**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℃ for three months and -20℃, 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

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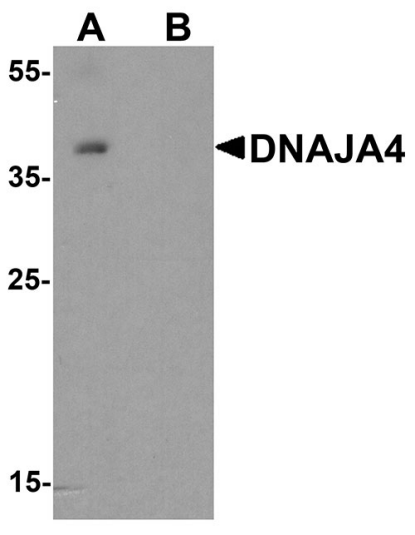
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.