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DNAJA4 Antibody

Catalog # ASC11909

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	44798
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	DNAJA4 antibody can be used for detection of DNAJA4 by Western blot at 1 - 2 g/ml.

Additional Information

Gene ID	55466
Other Names	DnaJ homolog subfamily A member 4, DNAJA4
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.

Protein Information

Name	DNAJA4
Cellular Location	Membrane; Lipid-anchor

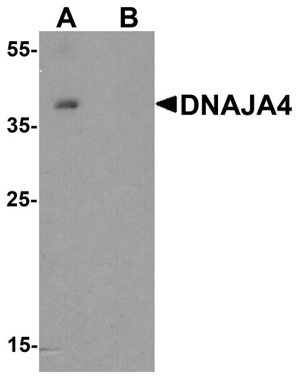
Background

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).

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.

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.