

**DNAJC9 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12938a****Specification**

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**DNAJC9 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q8WXX5](#)**DNAJC9 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 23234**Other Names**

DnaJ homolog subfamily C member 9, DnaJ protein SB73, DNAJC9

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**DNAJC9 Antibody (N-term) Blocking peptide - Protein Information****Name** DNAJC9**Function**

Acts as a dual histone chaperone and heat shock co-chaperone (PubMed:<a href="http://www.uniprot.org/citations/33857403" target="\_blank">33857403</a>). As a histone chaperone, forms a co-chaperone complex with MCM2 and histone H3-H4 heterodimers; and may thereby assist MCM2 in histone H3-H4 heterodimer recognition and facilitate the assembly of histones into nucleosomes (PubMed:<a href="http://www.uniprot.org/citations/33857403" target="\_blank">33857403</a>). May also act as a histone co-chaperone together with TONSL (PubMed:<a href="http://www.uniprot.org/citations/33857403" target="\_blank">33857403</a>). May recruit histone chaperones ASF1A, NASP and SPT2 to histone H3-H4 heterodimers (PubMed:<a href="http://www.uniprot.org/citations/33857403" target="\_blank">33857403</a>). Also plays a role as co-chaperone of the HSP70 family of molecular chaperone proteins, such as HSPA1A, HSPA1B and HSPA8 (PubMed:<a href="http://www.uniprot.org/citations/17182002" target="\_blank">17182002</a>, PubMed:<a href="http://www.uniprot.org/citations/33857403" target="\_blank">33857403</a>). As a co-chaperone, may play a role in the recruitment of HSP70-type molecular chaperone machinery to histone H3-H4 substrates, thereby maintaining the histone structural integrity (PubMed:<a href="http://www.uniprot.org/citations/33857403" target="\_blank">33857403</a>). Exhibits activity to assemble histones onto DNA in vitro (PubMed:<a href="http://www.uniprot.org/citations/33857403" target="\_blank">33857403</a>).

**Cellular Location**

Nucleus. Cytoplasm. Cell membrane. Note=Predominantly nuclear. Translocates to the cytoplasm and membrane after heat shock

**Tissue Location**

Expressed in heart, placenta, liver, skeletal muscle, kidney, pancreas, thymus, ovary, colon and peripheral blood

**DNAJC9 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**DNAJC9 Antibody (N-term) Blocking peptide - Images****DNAJC9 Antibody (N-term) Blocking peptide - Background**

DNAJC9 is upregulated at both mRNA and protein levels after various mitogenic and stress stimulations. DNAJC9 is mainly localized in cell nuclei under normal culture conditions, and transported into cytoplasm and plasma membrane upon heat shock stress through a non-classical and lipid-dependent pathway. DNAJC9 can interact with HSP70s and activate the ATPase activity of HSP70s, both of which are dependent on the J domain. Research has indicated that DNAJC9 is a novel cochaperone for HSP70s.

**DNAJC9 Antibody (N-term) Blocking peptide - References**

Rose, J. Phd, et al. Mol. Med. (2010) In press :Pan, Z., et al. Neoplasma 57(2):123-128(2010)Han, C., et al. Biochem. Biophys. Res. Commun. 353(2):280-285(2007)Takamura, Y., et al. Biochem. Biophys. Res. Commun. 285(2):387-392(2001)