

**DNAJB6 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12493c****Specification**

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**DNAJB6 Antibody (Center) Blocking peptide - Product Information**Primary Accession [O75190](#)**DNAJB6 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 10049**Other Names**

DnaJ homolog subfamily B member 6, HHDJ1, Heat shock protein J2, HSJ-2, MRJ, MSJ-1, DNAJB6, HSJ2, MRJ, MSJ1

**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.

**DNAJB6 Antibody (Center) Blocking peptide - Protein Information****Name** DNAJB6**Synonyms** HSJ2, MRJ, MSJ1**Function**

Has a stimulatory effect on the ATPase activity of HSP70 in a dose-dependent and time-dependent manner and hence acts as a co- chaperone of HSP70 (PubMed:<a href="http://www.uniprot.org/citations/10954706" target="\_blank">10954706</a>, PubMed:<a href="http://www.uniprot.org/citations/28233300" target="\_blank">28233300</a>). Plays an indispensable role in the organization of KRT8/KRT18 filaments (PubMed:<a href="http://www.uniprot.org/citations/10954706" target="\_blank">10954706</a>). Acts as an endogenous molecular chaperone for neuronal proteins including huntingtin (PubMed:<a href="http://www.uniprot.org/citations/11896048" target="\_blank">11896048</a>, PubMed:<a href="http://www.uniprot.org/citations/22366786" target="\_blank">22366786</a>). Suppresses aggregation and toxicity of polyglutamine- containing, aggregation-prone proteins (PubMed:<a href="http://www.uniprot.org/citations/20159555" target="\_blank">20159555</a>, PubMed:<a href="http://www.uniprot.org/citations/22366786" target="\_blank">22366786</a>). Also reduces cellular toxicity and caspase-3 activity (PubMed:<a href="http://www.uniprot.org/citations/11896048" target="\_blank">11896048</a>).

**Cellular Location**

Cytoplasm, perinuclear region. Nucleus Cytoplasm, myofibril, sarcomere, Z line

**Tissue Location**

Widely expressed. Highest levels in testis and brain, and lower levels in heart, spleen, intestine, ovary, placenta, lung, kidney, pancreas, thymus, prostate, skeletal muscle, liver and leukocytes. In testis, expressed in germ cells in the earlier stages of differentiation pathway as well as in spermatids. In brain, expressed at a higher level in hippocampus and thalamus and a lower level in amygdala, substantia nigra, corpus callosum and caudate nucleus

**DNAJB6 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**DNAJB6 Antibody (Center) Blocking peptide - Images****DNAJB6 Antibody (Center) Blocking peptide - Background**

This gene encodes a member of the DNAJ protein family. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. This family member may also play a role in polyglutamine aggregation in specific neurons. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been fully described.

**DNAJB6 Antibody (Center) Blocking peptide - References**

Mitra, A., et al. J. Biol. Chem. 285(32):24686-24694(2010) Edo De Bock, C., et al. Int. J. Oncol. 36(5):1155-1163(2010) Hageman, J., et al. Mol. Cell 37(3):355-369(2010) Lowe, J.K., et al. PLoS Genet. 5 (2), E1000365 (2009) : Dey, S., et al. Mol. Cell. Biochem. 322 (1-2), 137-142 (2009) :