

DHX30 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17118a**Specification**

DHX30 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q7L2E3](#)**DHX30 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 22907**Other Names**

Putative ATP-dependent RNA helicase DHX30, DEAH box protein 30, DHX30, DDX30, KIAA0890

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.

DHX30 Antibody (N-term) Blocking Peptide - Protein Information**Name** DHX30**Synonyms** DDX30, KIAA0890**Function**

RNA-dependent helicase (PubMed:29100085). Plays an important role in the assembly of the mitochondrial large ribosomal subunit (PubMed:25683715, PubMed:29100085). Required for optimal function of the zinc-finger antiviral protein ZC3HAV1 (By similarity). Associates with mitochondrial DNA (PubMed:18063578). Involved in nervous system development and differentiation through its involvement in the up- regulation of a number of genes which are required for neurogenesis, including GSC, NCAM1, neurogenin, and NEUROD (By similarity).

Cellular Location

Cytoplasm. Mitochondrion. Mitochondrion matrix, mitochondrion nucleoid. Note=Localizes to mitochondrial RNA granules found in close proximity to the mitochondrial nucleoids (PubMed:16825194, PubMed:25683715). Relocalizes to stress granules upon heat stress (PubMed:29100085).

DHX30 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

DHX30 Antibody (N-term) Blocking Peptide - Images**DHX30 Antibody (N-term) Blocking Peptide - Background**

DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this DEAD box protein family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a member of this family. The encoded protein has 97% sequence identity with the mouse HELG protein. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

DHX30 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ;Zhou, Y., et al. Virology 372(1):97-106(2008) Bogenhagen, D.F., et al. J. Biol. Chem. 283(6):3665-3675(2008) Takezawa, S., et al. EMBO J. 26(3):764-774(2007)