

DNAJB11 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP12621a**Specification**

DNAJB11 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9UBS4](#)**DNAJB11 Antibody (N-term) Blocking peptide - Additional Information**

Gene ID 51726

Other Names

DnaJ homolog subfamily B member 11, APOBEC1-binding protein 2, ABBP-2, DnaJ protein homolog 9, ER-associated DNAJ, ER-associated Hsp40 co-chaperone, Endoplasmic reticulum DNA J domain-containing protein 3, ER-resident protein ERdj3, ERdj3, ERj3p, HEDJ, Human DnaJ protein 9, hDj-9, PWP1-interacting protein 4, DNAJB11, EDJ, ERJ3, HDJ9

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.

DNAJB11 Antibody (N-term) Blocking peptide - Protein Information

Name DNAJB11

Synonyms EDJ, ERJ3, HDJ9

Function

As a co-chaperone for HSPA5 it is required for proper folding, trafficking or degradation of proteins (PubMed: [10827079](http://www.uniprot.org/citations/10827079), PubMed: [15525676](http://www.uniprot.org/citations/15525676), PubMed: [29706351](http://www.uniprot.org/citations/29706351)). Binds directly to both unfolded proteins that are substrates for ERAD and nascent unfolded peptide chains, but dissociates from the HSPA5-unfolded protein complex before folding is completed (PubMed: [15525676](http://www.uniprot.org/citations/15525676)). May help recruiting HSPA5 and other chaperones to the substrate. Stimulates HSPA5 ATPase activity (PubMed: [10827079](http://www.uniprot.org/citations/10827079)). It is necessary for maturation and correct trafficking of PKD1 (PubMed: [29706351](http://www.uniprot.org/citations/29706351)).

Cellular Location

Endoplasmic reticulum lumen Note=Associated with the ER membrane in a C-terminally epitope-tagged construct

Tissue Location

Widely expressed.

DNAJB11 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

DNAJB11 Antibody (N-term) Blocking peptide - Images**DNAJB11 Antibody (N-term) Blocking peptide - Background**

DNAJB11 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine (G/F)-rich region; and a C-terminal cysteine-rich region (Ohtsuka and Hata, 2000 [PubMed11147971]).

DNAJB11 Antibody (N-term) Blocking peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Wen, K.W., et al. Oncogene 29(24):3532-3544(2010) Bernal-Bayard, J., et al. J. Biol. Chem. 285(21):16360-16368(2010) Vembar, S.S., et al. J. Biol. Chem. 284(47):32462-32471(2009) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)