

DJB14 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP11640a**Specification**

DJB14 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q8TBM8](#)**DJB14 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 79982**Other Names**

DnaJ homolog subfamily B member 14, DNAJB14

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.

DJB14 Antibody (N-term) Blocking peptide - Protein Information**Name** DNAJB14 ([HGNC:25881](#))**Function**

Acts as a co-chaperone with HSPA8/Hsc70; required to promote protein folding and trafficking, prevent aggregation of client proteins, and promote unfolded proteins to endoplasmic reticulum-associated degradation (ERAD) pathway (PubMed:24732912). Acts by determining HSPA8/Hsc70's ATPase and polypeptide-binding activities (PubMed:24732912). Can also act independently of HSPA8/Hsc70: together with DNAJB12, acts as a chaperone that promotes maturation of potassium channels KCND2 and KCNH2 by stabilizing nascent channel subunits and assembling them into tetramers (PubMed:27916661). While stabilization of nascent channel proteins is dependent on HSPA8/Hsc70, the process of oligomerization of channel subunits is independent of HSPA8/Hsc70 (PubMed:27916661). When overexpressed, forms membranous structures together with DNAJB12 and HSPA8/Hsc70 within the nucleus; the role of these structures, named DJANGOs, is still unclear (PubMed:24732912).

Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Nucleus membrane; Single-

pass membrane protein. Note=Localizes to the endoplasmic reticulum membrane (PubMed:23018488, PubMed:24732912, PubMed:27916661) When overexpressed, forms membranous structures in the nucleus (PubMed:24732912).

DJB14 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

DJB14 Antibody (N-term) Blocking peptide - Images

DJB14 Antibody (N-term) Blocking peptide - Background

DJB14 may act as a co-chaperone (By similarity).

DJB14 Antibody (N-term) Blocking peptide - References

Hillier, L.W., et al. Nature 434(7034):724-731(2005)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)