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DNAJC30 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18088b

Specification

DNAJC30 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q96LL9

DNAJC30 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 84277

Other Names
DnaJ homolog subfamily C member 30, Williams-Beuren syndrome chromosomal region 18 protein, DNAJC30, WBSCR18

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.

DNAJC30 Antibody (C-term) Blocking Peptide - Protein Information

Name DNAJC30 {ECO:0000303|PubMed:30318146, ECO:0000312|HGNC:HGNC:16410}

Function
Mitochondrial protein enriched in neurons that acts as a regulator of mitochondrial respiration (By similarity). Associates with the ATP synthase complex and facilitates ATP synthesis (By similarity). May be a chaperone protein involved in the turnover of the subunits of mitochondrial complex I N-module. It facilitates the degradation of N- module subunits damaged by oxidative stress, and contributes to complex I functional efficiency (PubMed:33465056).

Cellular Location
Mitochondrion inner membrane; Single-pass membrane protein

Tissue Location
Expressed in brain, heart, kidney, liver, lung, spleen, stomach and testis (PubMed:12073013). Highly expressed in the brain (PubMed:30318146). In the neocortex, expressed in most, if not all, glutamatergic excitatory projection neurons (pyramidal) and many interneurons, with the strongest signal noticeably in large pyramidal neurons of layer 3C. Also present in pyramidal neurons of layer 3C PNs of the superior temporal cortex, as well as in pyramidal neurons (Betz cells) of the layer 5B primary motor cortex (at protein level) (PubMed:30318146).

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DNAJC30 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

DNAJC30 Antibody (C-term) Blocking Peptide - Images

DNAJC30 Antibody (C-term) Blocking Peptide - Background

This intronless gene encodes a member of the DNAJmolecular chaperone homology domain-containing protein family. Thisgene is deleted in Williams syndrome, a multisystem developmentaldisorder caused by the deletion of contiguous genes at 7q11.23.

DNAJC30 Antibody (C-term) Blocking Peptide - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)Merla, G., et al. Hum. Genet. 110(5):429-438(2002)