10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DNAJC30 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP18088b

Specification

DNAJC30 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q96LL9
Other Accession	NP_115693.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**25961**
Antigen Region	**176-202**

DNAJC30 Antibody (C-term) - Additional Information

Gene ID 84277

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

Target/Specificity
This DNAJC30 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 176-202 amino acids from the C-terminal region of human DNAJC30.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
DNAJC30 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAJC30 Antibody (C-term) - 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

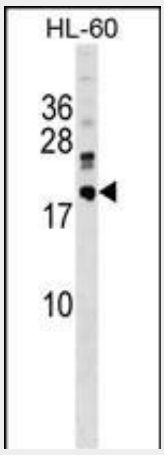
Tissue Location
Expressed in brain, heart, kidney, liver, lung, spleen, stomach and testis (PubMed:12073013). Highly expressed in the brain (PubMed:30318146). In the neocortex, expressed in most, if not all, glutamatergic excitatory projection neurons (pyramidal) and many interneurons, with the strongest 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).

DNAJC30 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DNAJC30 Antibody (C-term) - Images



DNAJC30 Antibody (C-term) (Cat. #AP18088b) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the DNAJC30 antibody detected the DNAJC30 protein (arrow).

DNAJC30 Antibody (C-term) - Background

This intronless gene encodes a member of the DNAJ molecular chaperone homology domain-containing protein family. This gene is deleted in Williams syndrome, a multisystem developmental

disorder caused by the deletion of contiguous genes at 7q11.23.

DNAJC30 Antibody (C-term) - 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)