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

DNAJC10 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18675a

Specification

DNAJC10 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q8IXB1
Other Accession	Q498R3, Q9DC23, NP_061854.1
Reactivity	**Mouse**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**91080**
Antigen Region	**56-82**

DNAJC10 Antibody (N-term) - Additional Information

Gene ID 54431

Other Names
DnaJ homolog subfamily C member 10, 184-, Endoplasmic reticulum DNA J domain-containing protein 5, ER-resident protein ERdj5, ERdj5, Macrothioredoxin, MTHr, DNAJC10, ERDJ5

Target/Specificity
This DNAJC10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-82 amino acids from the N-terminal region of human DNAJC10.

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
DNAJC10 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAJC10 Antibody (N-term) - Protein Information

Name DNAJC10

Synonyms ERDJ5

Function Endoplasmic reticulum disulfide reductase involved both in the correct folding of proteins and degradation of misfolded proteins. Required for efficient folding of proteins in the endoplasmic reticulum by catalyzing the removal of non-native disulfide bonds formed during the folding of proteins, such as LDLR. Also involved in endoplasmic reticulum-associated degradation (ERAD) by reducing incorrect disulfide bonds in misfolded glycoproteins recognized by EDEM1. Interaction with HSPA5 is required its activity, not for the disulfide reductase activity, but to facilitate the release of DNAJC10 from its substrate. Promotes apoptotic signaling pathway in response to endoplasmic reticulum stress.

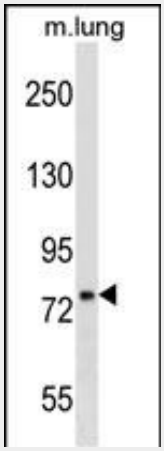
Cellular Location
Endoplasmic reticulum lumen {ECO:0000255|PROSITE- ProRule:PRU10138, ECO:0000269|PubMed:12411443, ECO:0000269|PubMed:23769672}

DNAJC10 Antibody (N-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

DNAJC10 Antibody (N-term) - Images



DNAJC10 Antibody (N-term) (Cat. #AP18675a) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the DNAJC10 antibody detected the DNAJC10 protein (arrow).

DNAJC10 Antibody (N-term) - Background

This endoplasmic reticulum co-chaperone may play a role in protein folding and translocation across the endoplasmic reticulum membrane. May act as a co-chaperone for HSPA5.

DNAJC10 Antibody (N-term) - References

Wang, M., et al. J. Biol. Chem. 284(48):33377-33383(2009)
Thomas, C.G., et al. J. Biol. Chem. 284(10):6282-6290(2009)
Ushioda, R., et al. Science 321(5888):569-572(2008)
Dong, M., et al. Mol. Biol. Cell 19(6):2620-2630(2008)
Hillier, L.W., et al. Nature 434(7034):724-731(2005)