

DNAJA3 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14750a

Specification

DNAJA3 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q96EY1
Other Accession	Q99M87 , NP_001128582.1 , NP_005138.3
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	52489
Antigen Region	105-134

DNAJA3 Antibody (N-term) - Additional Information

Gene ID 9093

Other Names

DnaJ homolog subfamily A member 3, mitochondrial, DnaJ protein Tid-1, hTid-1, Hepatocellular carcinoma-associated antigen 57, Tumorous imaginal discs protein Tid56 homolog, DNAJA3, HCA57, TID1

Target/Specificity

This DNAJA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 105-134 amino acids from the N-terminal region of human DNAJA3.

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

DNAJA3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DNAJA3 Antibody (N-term) - Protein Information

Name DNAJA3**Synonyms** HCA57, TID1

Function Modulates apoptotic signal transduction or effector structures within the mitochondrial matrix. Affect cytochrome C release from the mitochondria and caspase 3 activation, but not caspase 8 activation. Isoform 1 increases apoptosis triggered by both TNF and the DNA-damaging agent mytomycin C; in sharp contrast, isoform 2 suppresses apoptosis. Can modulate IFN-gamma-mediated transcriptional activity. Isoform 2 may play a role in neuromuscular junction development as an effector of the MUSK signaling pathway.

Cellular Location

Mitochondrion matrix. Cytoplasm, cytosol. Postsynaptic cell membrane; Peripheral membrane protein. Note=Recruited to the postsynaptic cell membrane of the neuromuscular junction through interaction with MUSK

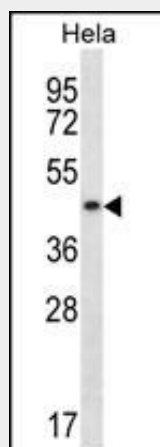
Tissue Location

Widely expressed with highest levels in heart, liver, lung and skeletal muscles (PubMed:9683573). Also expressed in keratinocytes; expression level and distribution is altered in basal cell carcinomas (PubMed:12783860, PubMed:9683573)

DNAJA3 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 Cytometry](#)
- [Cell Culture](#)

DNAJA3 Antibody (N-term) - Images

DNAJA3 Antibody (N-term) (Cat. #AP14750a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the DNAJA3 antibody detected the DNAJA3 protein (arrow).

DNAJA3 Antibody (N-term) - Background

DNAJA3 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins. For background information on the DNAJ family, see MIM 608375.

DNAJA3 Antibody (N-term) - References

Qian, J., et al. Gastroenterology 138(4):1418-1428(2010)
Kurzik-Dumke, U., et al. J Transl Med 8, 58 (2010) :
Linnoila, J., et al. Neuron 60(4):625-641(2008)
Kurzik-Dumke, U., et al. Int. J. Mol. Med. 21(1):19-31(2008)
Kurzik-Dumke, U., et al. Cell. Signal. 19(9):1973-1985(2007)