

NDUFAF2 / NDUFA12L Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13781**Specification**

NDUFAF2 / NDUFA12L Antibody (C-Terminus) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	Q8N183
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

NDUFAF2 / NDUFA12L Antibody (C-Terminus) - Additional Information**Gene ID** 91942**Other Names**

Mimitin, mitochondrial, B17.2-like, B17.2L, Myc-induced mitochondrial protein, MMTN, NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 2, NDUFA12-like protein, NDUFAF2, NDUFA12L

Target/Specificity

Human NDUFAF2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

NDUFAF2 / NDUFA12L Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

NDUFAF2 / NDUFA12L Antibody (C-Terminus) - Protein Information**Name** NDUFAF2**Synonyms** NDUFA12L**Function**

Acts as a molecular chaperone for mitochondrial complex I assembly (PubMed:16200211, PubMed:19384974). Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone (PubMed:16200211, PubMed:27626371). Is involved in the initial steps of cilia formation, including removal of CP110 from the mother centrioles, docking of membrane vesicles to the mother centrioles, and establishment of the transition zone (PubMed:38949024).

Cellular Location

Mitochondrion.

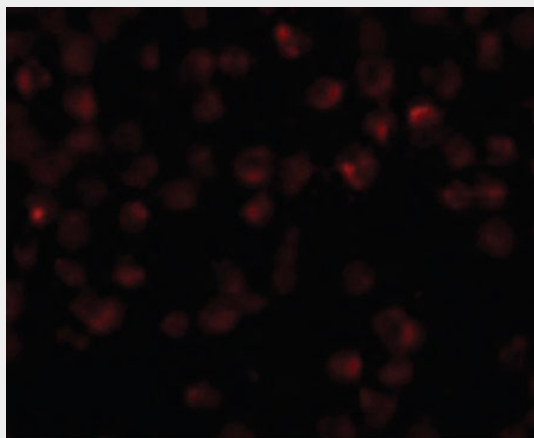
Tissue Location

Highly expressed in ESCC cells. Also expressed in heart, skeletal muscle, liver, and in fibroblasts

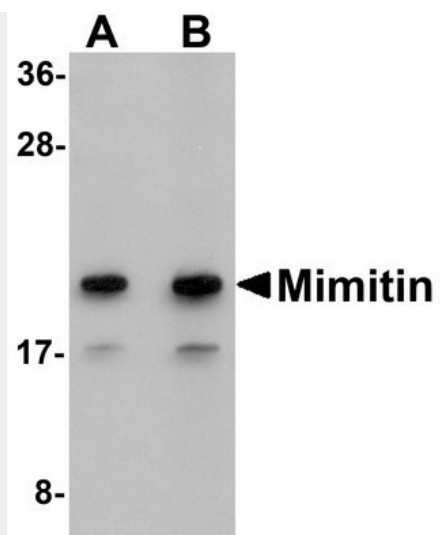
NDUFAF2 / NDUFA12L Antibody (C-Terminus) - Protocols

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

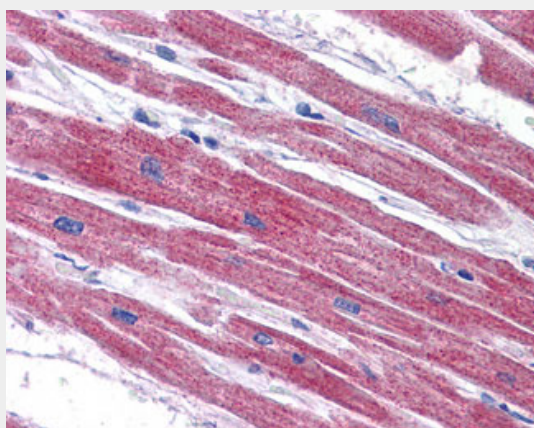
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NDUFAF2 / NDUFA12L Antibody (C-Terminus) - Images

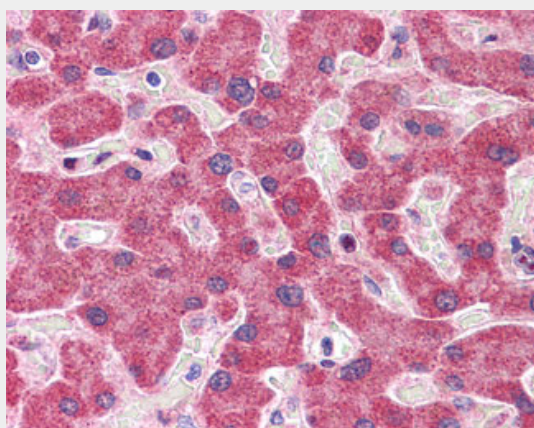
Immunofluorescence of Mimitin in Raji cells with Mimitin antibody at 20 ug/ml.



Western blot of Mimitin in Raji cell lysate with Mimitin antibody at (A) 1 and (B) 2 ug/ml.



Anti-NDUFAF2 antibody IHC of human heart.



Anti-NDUFAF2 antibody IHC of human liver.

NDUFAF2 / NDUFA12L Antibody (C-Terminus) - Background

Acts as a molecular chaperone for mitochondrial complex I assembly.

NDUFAF2 / NDUFA12L Antibody (C-Terminus) - References

Tsuneoka M., et al. J. Biol. Chem. 280:19977-19985(2005).

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Ogilvie I.,et al.J. Clin. Invest. 115:2784-2792(2005).
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).