

NDUFAF4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12985a

Specification

NDUFAF4 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9P032
Other Accession	NP_054884.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20266
Antigen Region	33-61

NDUFAF4 Antibody (N-term) - Additional Information

Gene ID 29078

Other Names

NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 4, Hormone-regulated proliferation-associated protein of 20 kDa, NDUFAF4, C6orf66, HRPAP20

Target/Specificity

This NDUFAF4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 33-61 amino acids from the N-terminal region of human NDUFAF4.

Dilution

WB~~1:1000
IHC-P~~1:10~50

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

NDUFAF4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NDUFAF4 Antibody (N-term) - Protein Information

Name NDUFAF4 ([HGNC:21034](#))

Function Involved in the assembly of mitochondrial NADH:ubiquinone oxidoreductase complex (complex I) (PubMed:[18179882](#), PubMed:[28853723](#)). May be involved in cell proliferation and survival of hormone-dependent tumor cells. May be a regulator of breast tumor cell invasion.

Cellular Location

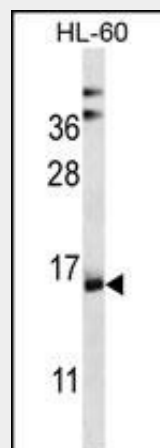
Mitochondrion. Membrane; Lipid-anchor

NDUFAF4 Antibody (N-term) - Protocols

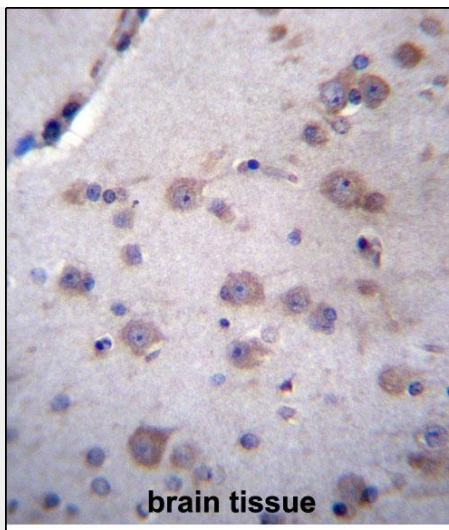
Provided below are standard protocols that you may find useful for product applications.

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

NDUFAF4 Antibody (N-term) - Images



NDUFAF4 Antibody (N-term) (Cat. #AP12985a) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the NDUFAF4 antibody detected the NDUFAF4 protein (arrow).



NDUFAF4 Antibody (N-term) (Cat. #AP12985a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of NDUFAF4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

NDUFAF4 Antibody (N-term) - Background

NADH:ubiquinone oxidoreductase (complex I) catalyzes the transfer of electrons from NADH to ubiquinone (coenzyme Q) in the first step of the mitochondrial respiratory chain, resulting in the translocation of protons across the inner mitochondrial membrane. This gene encodes a complex I assembly factor. Mutations in this gene are a cause of mitochondrial complex I deficiency. [provided by RefSeq].

NDUFAF4 Antibody (N-term) - References

Saada, A., et al. Am. J. Hum. Genet. 84(6):718-727(2009)
Zimmermann, F.A., et al. Br. J. Cancer 100(9):1434-1437(2009)
Saada, A., et al. Am. J. Hum. Genet. 82(1):32-38(2008)
Tozlu-Kara, S., et al. J. Mol. Endocrinol. 39(4):305-318(2007)
Karp, C.M., et al. Oncogene 26(12):1780-1788(2007)