

NDUFS4 Rabbit pAb

Catalog No.: A6390 **2 Publications**

Basic Information

Observed MW

18kDa

Calculated MW

20kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes an nuclear-encoded accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I, or NADH:ubiquinone oxidoreductase). Complex I removes electrons from NADH and passes them to the electron acceptor ubiquinone. Mutations in this gene can cause mitochondrial complex I deficiencies such as Leigh syndrome. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:100 - 1:500

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

4724

Swiss Prot

O43181

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-175 of human NDUFS4 (NP_002486.1).

Synonyms

AQDQ; CI-18; MC1DN1; CI-AQDQ; CI-18 kDa; NDUFS4

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

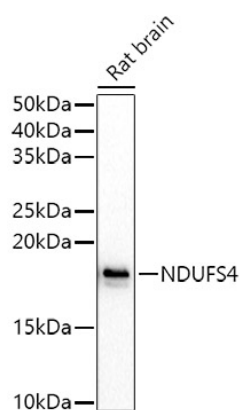
Affinity purification

Storage

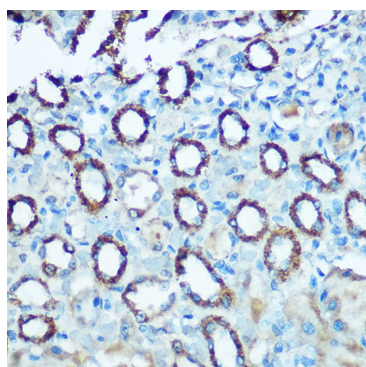
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of Rat brain, using NDUFS4 antibody (A6390) at 1:500 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded rat kidney using NDUFS4 Rabbit pAb (A6390) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.