A9941SP

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MT-ND4 Rabbit pAb

Catalog No.: A9941SP 14 Publications

Basic Information

Observed MW
50 kDa

Calculated MW
52 kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Mouse,Rat

Background

Predicted to enable NADH dehydrogenase (ubiquinone) activity and ubiquinone binding activity. Predicted to contribute to NADH dehydrogenase activity. Predicted to be involved in electron transport coupled proton transport; mitochondrial electron transport, NADH to ubiquinone; and mitochondrial respiratory chain complex I assembly. Located in mitochondrion. Part of respiratory chain complex I. Is active in mitochondrial inner membrane. Human ortholog(s) of this gene implicated in Leber hereditary optic neuropathy; Parkinson's disease; macular degeneration; and schizophrenia. Orthologous to human MT-ND4 (mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 4).

Recommended Dilutions

WB	1:2000 - 1:15000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)

Immunogen Information

Gene ID
17719

Swiss Prot
P03911

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
ND4

Contact

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Product Information

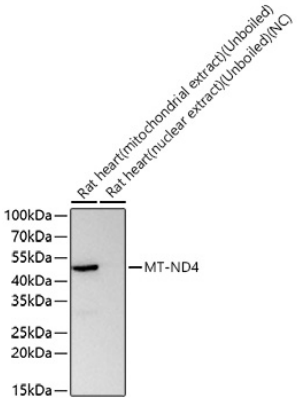
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data



Western blot analysis of various lysates using MT-ND4 Rabbit pAb (A9941SP) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Rat heart(nuclear extract).
Exposure time: 1 s.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit https://abclonal.com for a complete listing of recommended products.