

MT-ND5 Rabbit pAb

Catalog NO.: A8135

Basic Information

Observed MW

67kDa

Calculated MW

67kDa

Category

Polyclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Background

Contributes to NADH dehydrogenase (ubiquinone) 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. Is expressed in central nervous system; heart; liver; metanephros; and retina. Human ortholog(s) of this gene implicated in Leber hereditary optic neuropathy; Leigh disease; and MELAS syndrome. Orthologous to human MT-ND5 (mitochondrially encoded NADH:ubiquinone oxidoreductase core subunit 5).

Recommended Dilutions

WB 1:1000 - 1:6000

IF-P 1:50 - 1:200

IHC-P 1:50 - 1:200

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID	Swiss Prot
17721	P03915

Immunogen

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

Synonyms

ND5; MT-ND5

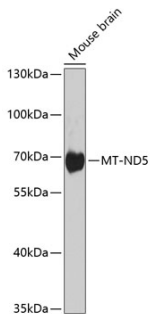
Contact

Product Information

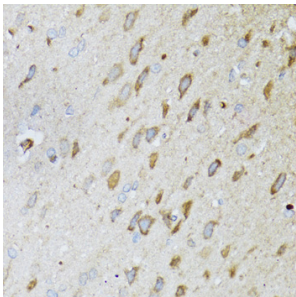
☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

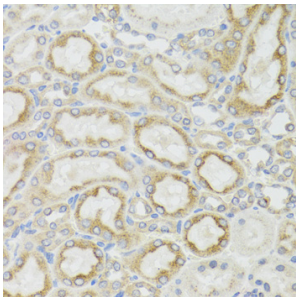
Validation Data



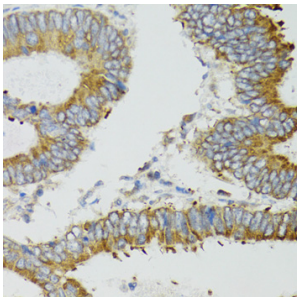
Western blot analysis of various lysates using MT-ND5 Rabbit pAb (A8135) at 1:1000 dilution.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 5s.



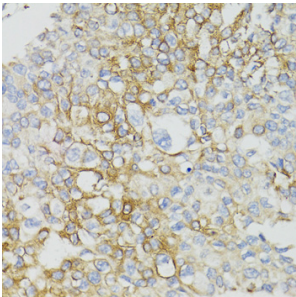
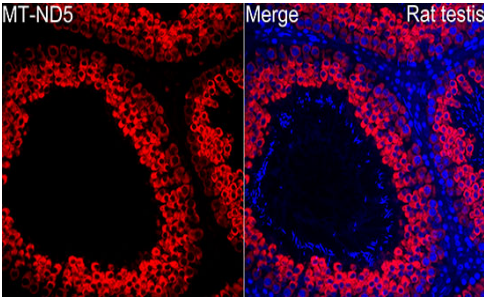
Immunohistochemistry analysis of paraffin-embedded Rat brain using MT-ND5 Rabbit pAb (A8135) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using MT-ND5 Rabbit pAb (A8135) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using MT-ND5 Rabbit pAb (A8135) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human prostate cancer using MT-ND5 Rabbit pAb (A8135) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

Immunofluorescence analysis of paraffin-embedded Rat testis using MT-ND5 Rabbit pAb(A8135) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.