

A17969

Leader in Biomolecular Solutions for Life Science



MT-ND3 Rabbit pAb

Catalog No.: A17969 **4 Publications**

Basic Information

Observed MW

15kDa

Calculated MW

13kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IF/ICC,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

Enables NADH dehydrogenase (ubiquinone) activity. Involved in mitochondrial electron transport, NADH to ubiquinone. Part of mitochondrial respiratory chain complex I. Implicated in Leber hereditary optic neuropathy; Leigh disease; and Parkinson's disease.

Recommended Dilutions

WB	1:100 - 1:500
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID	Swiss Prot
4537	P03897

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-70 of human MT-ND3 (YP_003024033.1).

Synonyms

MTND3; ND3; MT-ND3

Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

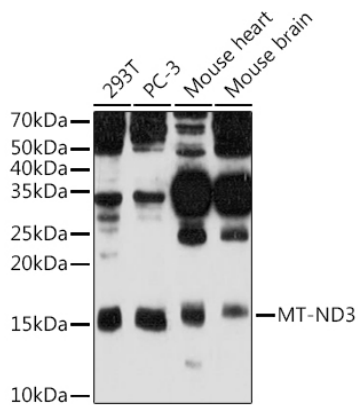
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Contact

 www.abclonal.com

Validation Data



Western blot analysis of various lysates using MT-ND3 Rabbit pAb (A17969) at 1:500 dilution.

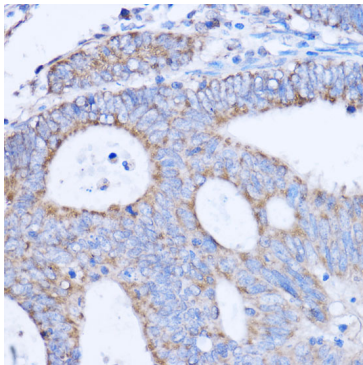
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

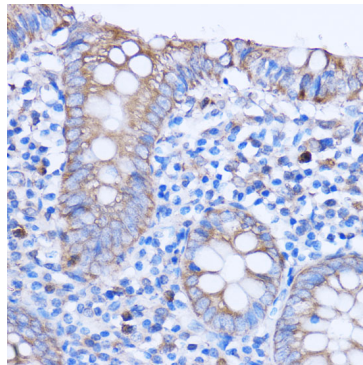
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

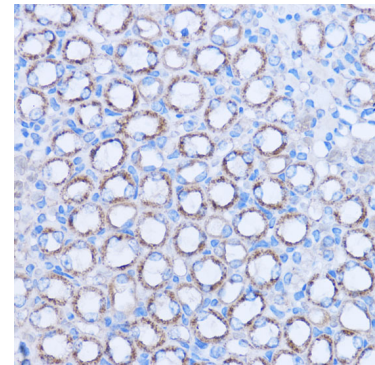
Exposure time: 90s.



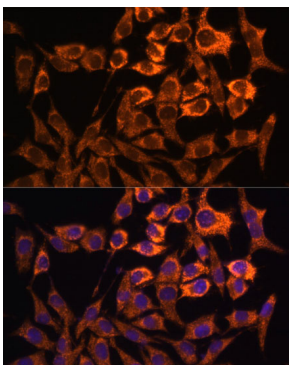
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using MT-ND3 Rabbit pAb (A17969) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



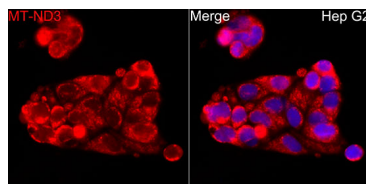
Immunohistochemistry analysis of paraffin-embedded Human appendix using MT-ND3 Rabbit pAb (A17969) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using MT-ND3 Rabbit pAb (A17969) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

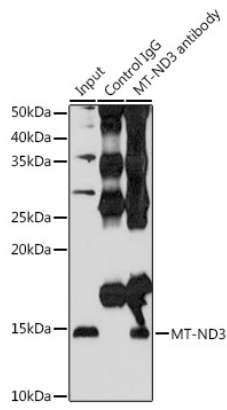


Immunofluorescence analysis of L929 cells using MT-ND3 Rabbit pAb (A17969) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HepG2 cells using MT-ND3 Rabbit pAb (A17969) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

Validation Data



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 3 µg MT-ND3 antibody (A17969). Western blot was performed from the immunoprecipitate using MT-ND3 antibody (A17969) at a dilution of 1:500.