

MT-ND5 Polyclonal Antibody

catalog number: E-AB-62129

Note: Centrifuge before opening to ensure complete recovery of vial contents.

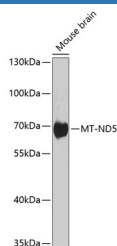
Description

Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide of mouse MT-ND5 (NP_904338.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications Recommended Dilution

WB	1:500-1:2000
IHC	1:50-1:200

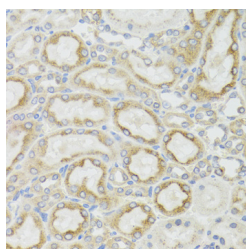
Data



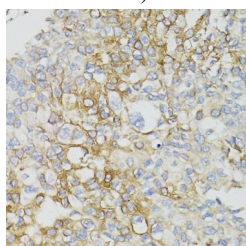
Western blot analysis of extracts of various cell lines using MT-ND5 Polyclonal Antibody at dilution of 1:1000.

Observed-MW:67 kDa

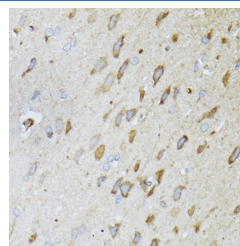
Calculated-MW:68 kDa



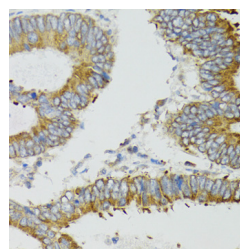
Immunohistochemistry of paraffin-embedded Rat kidney using MT-ND5 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human prostate cancer using MT-ND5 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Rat brain using MT-ND5 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human colon carcinoma using MT-ND5 Polyclonal Antibody at dilution of 1:100 (40x lens).

For Research Use Only

Preparation & Storage

Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

MT-ND5 (Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 5) is a Protein Coding gene. Diseases associated with MT-ND5 include Mitochondrial Myopathy, Encephalopathy, Lactic Acidosis, And Stroke-Like Episodes and Leigh Syndrome. Among its related pathways are GABAergic synapse and Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins. Gene Ontology (GO) annotations related to this gene include NADH dehydrogenase (ubiquinone) activity. An important paralog of this gene is MT-ND4.

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