

NDUFS1 Rabbit Polyclonal Antibody



CAB2592

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

79kDa

Calculated MW:

67kDa/73kDa/75kDa/79kDa/
80kDa

Applications:

WB IHC

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency. Several transcript variants encoding different isoforms have been found for this gene.

Immunogen information

Gene ID:

4719

Uniprot

P28331

Synonyms:

NDUFS1; CI-75Kd; CI-75k; PRO1304

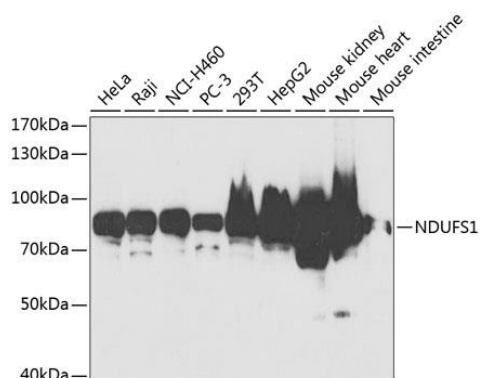
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 80-290 of human NDUFS1 (NP_004997.4).

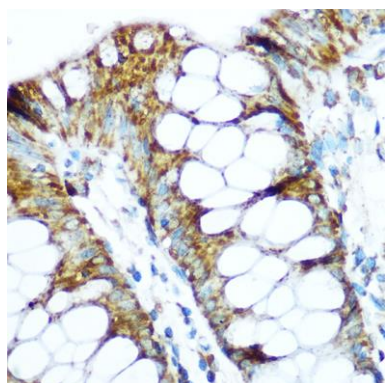
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

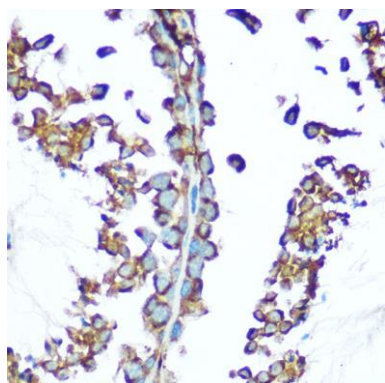
Product Images



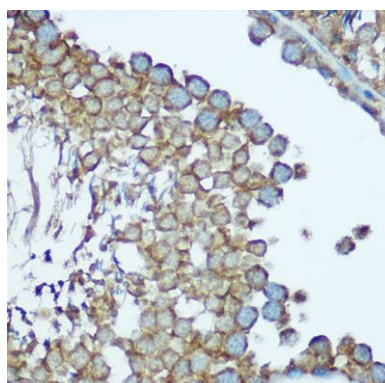
Western blot analysis of extracts of various cell lines, using NDUFS1 antibody (CAB2592) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded human colon using NDUFS1 Rabbit pAb (CAB2592) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using NDUFS1 Rabbit pAb (CAB2592) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat testis using NDUFS1 Rabbit pAb (CAB2592) at dilution of 1:100 (40x lens).