Product datasheet

Anti-NDUFB8 Antibody

Catalog Number: *A07936-1*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-NDUFB8 Antibody
Gene Name	NDUFB8
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human NDUFB8 recombinant protein (Position: M1-I186). Human NDUFB8 shares 81.2% amino acid (aa) sequence identity with mouse DHFR.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	19-22 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 8, mitochondrial is an enzyme that in humans is encoded by the NDUFB8 gene. Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

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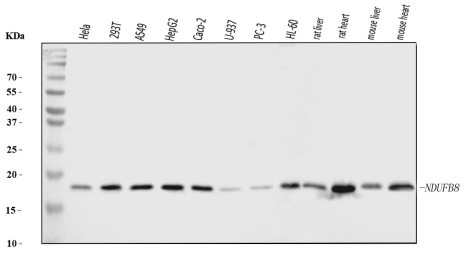
Reference

Anti-NDUFB8 Antibody被引用在2文献中。

Selected Validation Data



Western blot analysis of NDUFB8 using anti-NDUFB8 antibody (A07936-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: HELA whole cell lysates,
Lane 2: 293T whole cell lysates,
Lane 3: A549 whole cell lysates,
Lane 4: HEPG2 whole cell lysates,
Lane 5: CACO-2 whole cell lysates,
Lane 6: U937 whole cell lysates,
Lane 7: PC-3 whole cell lysates,
Lane 8: HL-60 whole cell lysates,
Lane 9: rat liver tissue lysates,
Lane 10: rat heart tissue lysates,
Lane 11: mouse liver tissue lysates,
Lane 12: mouse heart tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NDUFB8 antigen affinity purified polyclonal antibody (A07936-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NDUFB8 at approximately 19-22 kDa. The expected band size for NDUFB8 is at 22 kDa.

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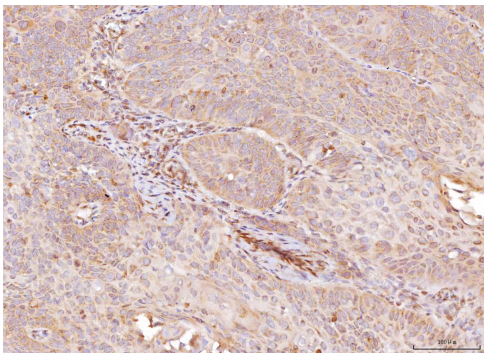
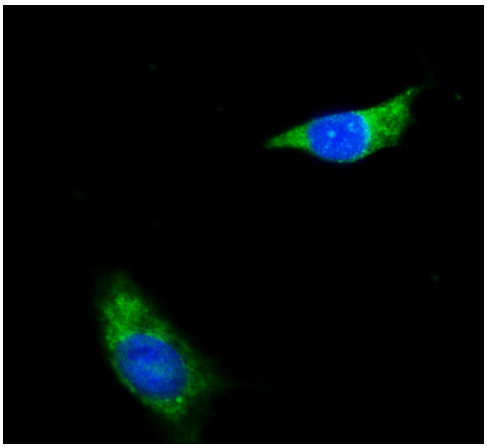
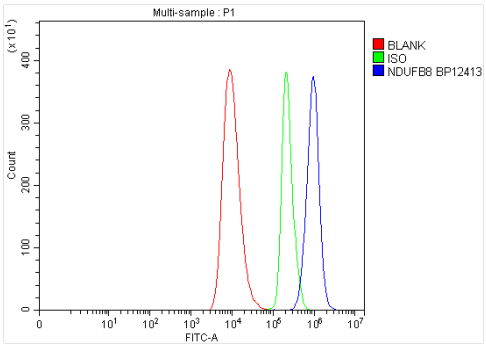


IHC analysis of NDUFB8 using anti-NDUFB8 antibody (A07936-1). NDUFB8 was detected in a paraffin-embedded section of human Laryngeal squamous cell carcinomas tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-NDUFB8 Antibody (A07936-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



ICC/IF analysis of NDUFB8 using anti-NDUFB8 antibody (A07936-1). NDUFB8 was detected in an immunocytochemical section of HepG2 cells. The section was incubated with rabbit anti-NDUFB8 Antibody (A07936-1) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of HEL cells using anti-NDUFB8 antibody (A07936-1).
Overlay histogram showing HEL cells stained with A07936-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NDUFB8 Antibody (A07936-1) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.