

Anti-NDUFS3 Antibody (6M78)

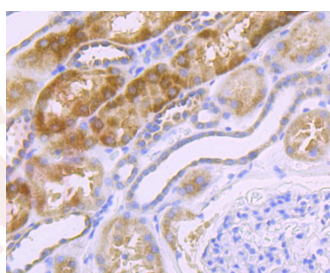
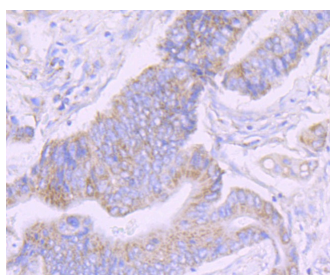
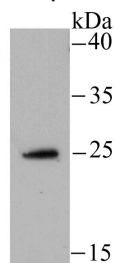
Product Details

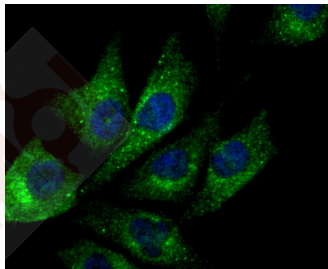
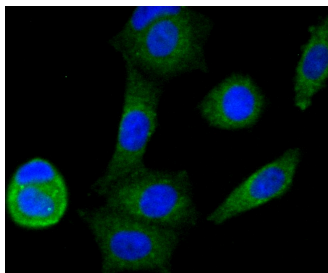
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 25 kDa.
Clone:	6M78
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of NDUFS3 on HepG2 cell using anti-NDUFS3 antibody at 1/500 dilution.
2. Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using anti-NDUFS3 receptor 2 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney cancer tissues using anti-NDUFS3 receptor 2 antibody. Counter stained with hematoxylin.
4. ICC staining NDUFS3 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining NDUFS3 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC,IF,IHC,IP,WB
Recommended WB: 1:500; IHC: 1:50; ICC: 1:50; IP: 1:10-50

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein
Uniprot ID: O75489
Synonyms: NADH dehydrogenase [ubiquinone] iron-sulfur protein 3;Complex I-30kD;CI-30kD; mitochondrial;EC 1.6.99.3;NADH-ubiquinone oxidoreductase 30 kDa subunit;NDUFS 3;EC 1.6.5.3

Research Background

NDUFS3 (NADH dehydrogenase ubiquinone iron-sulfur protein 3) is one of about 45 subunits comprising complex I of the oxidative phosphorylation electron transport chain. The multisubunit NADH: ubiquinone oxidoreductase (complex I) is the first enzyme complex in the electron transport chain of the mitochondria. NDUFS3 is the last subunit of the seven subunits that make up the core of complex I. Through use of chaotropic agents, complex I can be separated into three different fractions: a flavoprotein fraction, an iron-sulfur protein (IP) fraction, and a hydrophobic protein (HP) fraction. The IP fraction includes NDUFS1-7. NDUFS3 contains a highly conserved casein kinase II phosphorylation site. Mutations in the NDUFS3 gene may cause optic atrophy, Leigh syndrome and complex I deficiency.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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