

Datasheet for ABIN2856152
anti-NDUFS4 antibody (Center)

5 Images

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Overview

Quantity:	100 µL
Target:	NDUFS4
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFS4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human NDUFS4. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to NDUFS4 (NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18 kDa (NADH-coenzyme Q reductase)) NDUFS4 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NDUFS4
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Target Details

Alternative Name: NDUFS4 ([NDUFS4 Products](#))

Background: This gene encodes an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), or NADH:ubiquinone oxidoreductase, the first multi-subunit enzyme complex of the mitochondrial respiratory chain. Complex I plays a vital role in cellular ATP production, the primary source of energy for many crucial processes in living cells. It removes electrons from NADH and passes them by a series of different protein-coupled redox centers to the electron acceptor ubiquinone. In well-coupled mitochondria, the electron flux leads to ATP generation via the building of a proton gradient across the inner membrane. Complex I is composed of at least 41 subunits, of which 7 are encoded by the mitochondrial genome and the remainder by nuclear genes.

Cellular Localization: Mitochondrion inner membrane, Peripheral membrane protein, Matrix side

Molecular Weight: 20 kDa

Gene ID: 4724

Application Details

Application Notes: Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher. Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000*

Comment: Positive Control: 293T , mouse brain , rat heart

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.

Preservative: Thimerosal (Merthiolate)

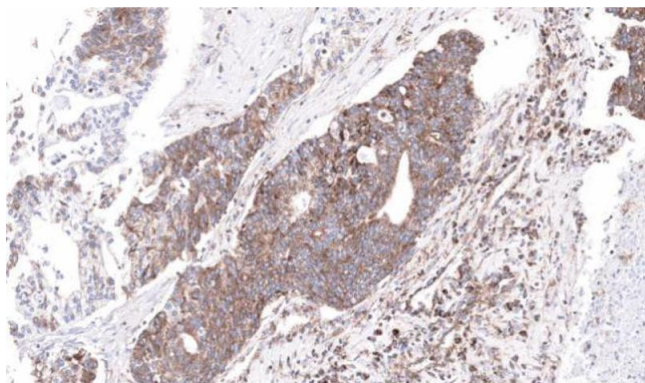
Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

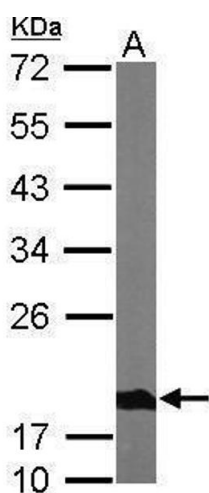
Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



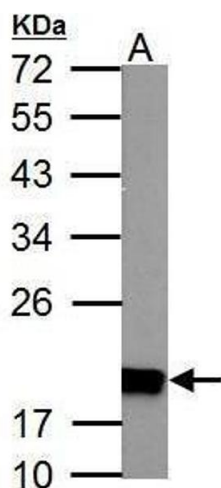
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded human ovarian cancer, using NDUF54, antibody at 1:100 dilution.



Western Blotting

Image 2. WB Image Sample (50 ug of whole cell lysate) A: Mouse brain 12% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. WB Image NDUF54 antibody detects NDUF54 protein by Western blot analysis. A. 50 µg Rat heart lysate/extract 12% SDS-PAGE NDUF54 antibody, dilution: 1:1000

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2856152.