

Datasheet for ABIN953636
anti-NDUFS2 antibody (Middle Region)

2 Images

[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	NDUFS2
Binding Specificity:	AA 293-323, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NDUFS2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide between 293~323 amino acids from the Central region of human NDUFS2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse NDUFS2 (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	NDUFS2
Alternative Name:	NDUFS2 (NDUFS2 Products)
Background:	NDUFS2 is a core subunit of the mitochondrial membrane respiratory chain NADH

Target Details

dehydrogenase (complex I). Mammalian mitochondrial complex I is composed of at least 43 different subunits, 7 of which are encoded by the mitochondrial genome, and the rest are the products of nuclear genes. The iron-sulfur protein fraction of complex I is made up of 7 subunits, including this gene product. Complex I catalyzes the NADH oxidation with concomitant ubiquinone reduction and proton ejection out of the mitochondria. Synonyms: CI-49kD, Complex I-49kD, NADH dehydrogenase [ubiquinone] iron-sulfur protein 2, NADH-ubiquinone oxidoreductase 49 kDa subunit, mitochondrial

Molecular Weight: 52546 Da

Gene ID: 4720

NCBI Accession: [NP_001159631](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

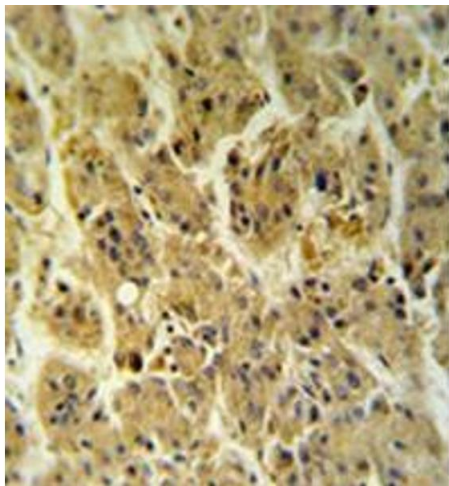
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

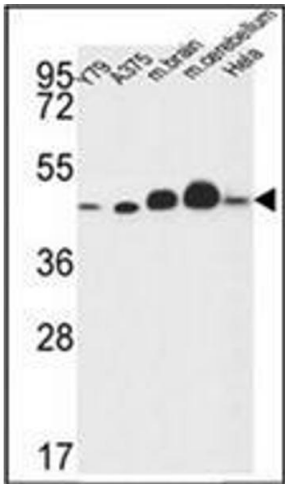
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded hepatocarcinoma reacted with NDUFS2 Antibody (Center) followed which was peroxidase conjugated to the secondary antibody and followed by DAB staining. This data demonstrates the use of the NDUFS2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of NDUFS2 Antibody (Center) in Y79,A375,Hela cell line and mouse brain,cerebellum tissue lysates (35ug/lane). This demonstrates the NDUFS2 antibody detected the NDUFS2 protein (arrow).