

NDUFS2 Polyclonal Antibody

Catalog NumberPA5-22364

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG	Published species	Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Recombinant fragment corresponding to a region within amino acids 200 and 430 of NDUFS2 (Uniprot ID#O75306)	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
		Western Blot (WB)	1:500-1:10,000
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.89 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: 293T, A431, Jurkat, Raji, mouse brain, rat brain. Predicted reactivity: Mouse (95%), Rat (94%), Zebrafish (84%), Xenopus laevis (90%), Rhesus Monkey (98%), Chimpanzee (100%), Bovine (94%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

The protein encoded by this gene is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase. 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. Mutations in this gene are associated with mitochondrial complex I deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

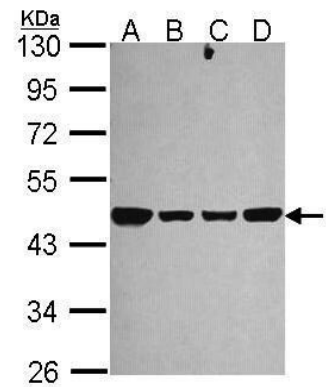
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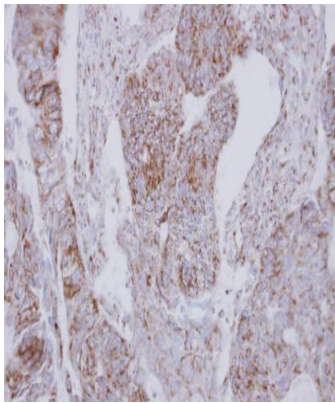
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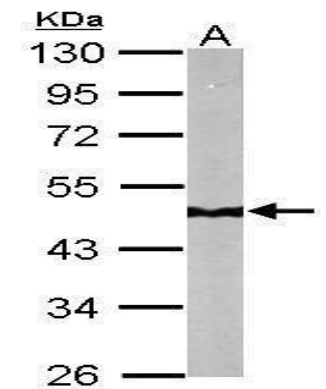
Product Images For NDUFS2 Polyclonal Antibody



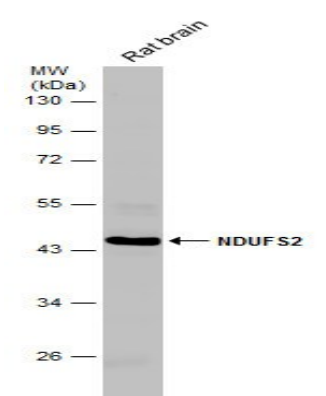
NDUFS2 Antibody (PA5-22364) in WB
Western Blot using NDUFS2 Polyclonal Antibody (Product # PA5-22364). Sample (30 µg of whole cell lysate). Lane A: 293T. Lane B: A431. Lane C: JurKat. Lane D: Raji. 10% SDS PAGE. NDUFS2 Polyclonal Antibody (Product # PA5-22364) diluted at 1:1,000.



NDUFS2 Antibody (PA5-22364) in IHC (P)
Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using NDUFS2 (Product # PA5-22364) antibody at 1:250 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



NDUFS2 Antibody (PA5-22364) in WB
Western Blot using NDUFS2 Polyclonal Antibody (Product # PA5-22364). Sample (50 µg of whole cell lysate). Lane A: Mouse brain. 10% SDS PAGE. NDUFS2 Polyclonal Antibody (Product # PA5-22364) diluted at 1:10,000.



NDUFS2 Antibody (PA5-22364) in WB
Western Blot analysis of NDUFS2 was performed by separating 50 µg of rat tissue extract by 10% SDS-PAGE. Proteins were transferred to a membrane and probed with a NDUFS2 Polyclonal Antibody (Product # PA5-22364) at a dilution of 1:1,000.

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