

## NDUFS1 Antibody

Catalog No: #32739

Package Size: #32739-1 50ul #32739-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

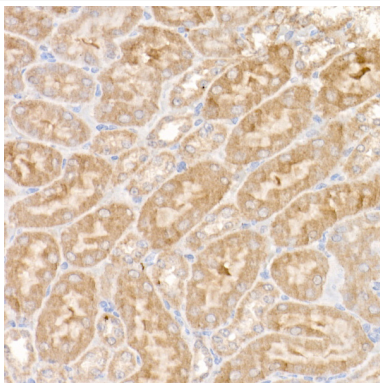
## Description

Product Name	NDUFS1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total NDUFS1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human NDUFS1 (NP_004997.4).
Target Name	NDUFS1
Other Names	NDUFS1;CI-75Kd;CI-75k;PRO1304
Accession No.	Uniprot:P28331GenelD:4719
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GenelD	4719
SDS-PAGE MW	75kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

## Application Details

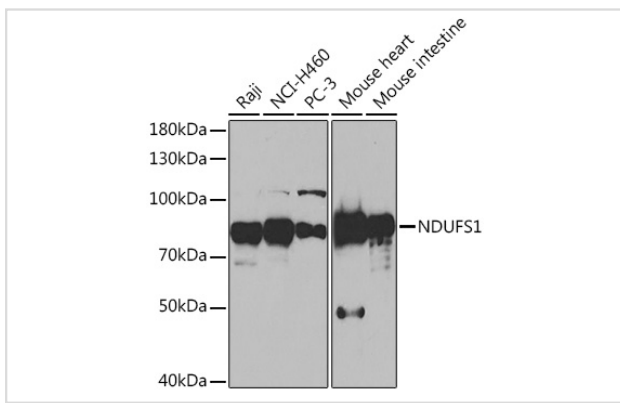
WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

## Images



Immunohistochemistry of paraffin-embedded mouse kidney using NDUFS1 Rabbit pAb.

Western blot analysis of extracts of various cell lines, using NDUFS1 Rabbit pAb.



## Background

The protein encoded by this gene belongs to the complex I 75 kDa subunit family. Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. This protein is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme. It may form part of the active site crevice where NADH is oxidized. Mutations in this gene are associated with complex I deficiency. Several transcript variants encoding different isoforms have been found for this gene.

Note: This product is for in vitro research use only