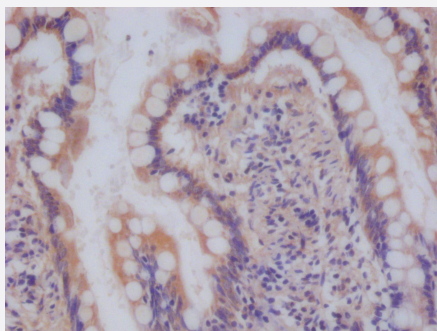


RecomAb™

# NDUFS4 recombinant monoclonal antibody, clone 9H1

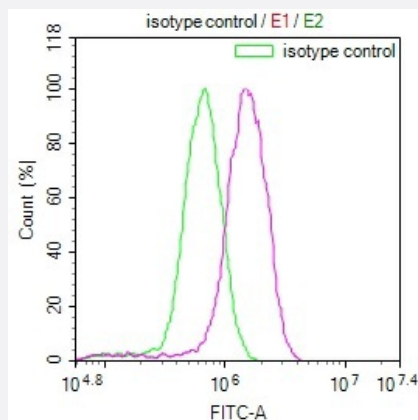
Catalog # RAB07606      Size 100 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of NDUFS4 recombinant monoclonal antibody, clone 9H1 diluted at 1:100 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system.



### Flow Cytometry

Overlay Peak curve showing MCF7 cells stained with NDUFS4 recombinant monoclonal antibody, clone 9H1 (red line) at 1:100.

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human NDUFS4.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human NDUFS4.
<b>Reactivity</b>	Human
<b>Form</b>	Liquid

<b>Purification</b>	Affinity chromatography purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
<b>Storage Instruction</b>	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry

Immunohistochemistry image of NDUFS4 recombinant monoclonal antibody, clone 9H1 diluted at 1:100 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing MCF7 cells stained with NDUFS4 recombinant monoclonal antibody, clone 9H1 (red line) at 1:100.

## Gene Info — NDUFS4

<b>Entrez GeneID</b>	<a href="#">4724</a>
<b>Protein Accession#</b>	<a href="#">O43181</a>
<b>Gene Name</b>	NDUFS4
<b>Gene Alias</b>	AQDQ
<b>Gene Description</b>	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)
<b>Omim ID</b>	<a href="#">252010</a> <a href="#">256000</a> <a href="#">602694</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

NADH dehydrogenase (ubiquinone) Fe-S protein 4|NADH dehydrogenase (ubiquinone) iron-sulfur protein 4|NADH-coenzyme Q reductase, 18-KD|NADH-ubiquinone oxidoreductase 18 kDa subunit|mitochondrial respiratory chain complex I (18-KD subunit)

## Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

## Disease

- [Alzheimer disease](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)