

For Research Use Only

NDUFS4 Polyclonal antibody

Catalog Number: 15849-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

15849-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8633

GenBank Accession Number:

BC005270

GeneID (NCBI):

4724

UNIPROT ID:

O43181

Full Name:

NADH dehydrogenase (ubiquinone)
Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)

Calculated MW:

175 aa, 20 kDa

Observed MW:

21 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:100-1:400

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : mouse heart tissue, rat heart tissue

IHC : human colon tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

NDUFS4 (NADH dehydrogenase [ubiquinone] iron-sulfur protein 4 mitochondrial), also known as AQDQ, is a member of NADH dehydrogenase (ubiquinone) iron-sulfur (NDUFS) protein family. It is a peripheral membrane protein located on the matrix side of the inner mitochondrial membrane. It is reported that the loss of NDUFS4 protein expression in immunohistochemistry (IHC) reliably diagnoses papillary thyroid carcinoma (PMID: 34792302). Also, NDUFS4 promotes tumor progression and predicts prognosis in gastric cancer (PMID: 36044738).

Notable Publications

Author	Pubmed ID	Journal	Application
Yipeng Du	30279144	EBioMedicine	WB
Hongxu Xian	34115964	Immunity	WB
QiuHong Mou	35427576	Arch Biochem Biophys	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

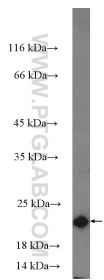
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

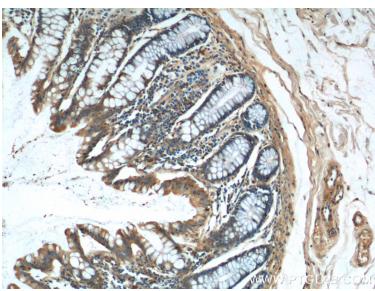
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

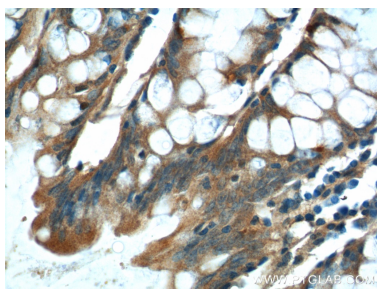
Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 15849-1-AP (NDUFS4 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 15849-1-AP (NDUFS4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 15849-1-AP (NDUFS4 Antibody) at dilution of 1:200 (under 40x lens).