



# NDUAC Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05792
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	NDUFA12 DAP13
<b>Protein Name</b>	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12 (13 kDa differentiation-associated protein) (Complex I-B17.2) (CI-B17.2) (CIB17.2) (NADH-ubiquinone oxidoreductase subunit B17.2)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 80-160
<b>Specificity</b>	NDUAC Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	15kD
<b>Cell Pathway</b>	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
<b>Tissue Specificity</b>	Adrenal gland,Coronary artery,Kidney,Lung adenocarcinoma,
<b>Function</b>	function:Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed to be not involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.,similarity:Belongs to the complex I NDUFA12 subunit family.,subunit:Complex I is composed of 45 different subunits.,
<b>Background</b>	This gene encodes a protein which is part of mitochondrial complex 1, part of the oxidative phosphorylation system in mitochondria. Complex 1 transfers electrons to ubiquinone from NADH which establishes a proton gradient for the generation of ATP. Mutations in this gene are associated with Leigh syndrome due to mitochondrial complex 1 deficiency. Pseudogenes of this gene are located on chromosomes 5 and 13. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012],



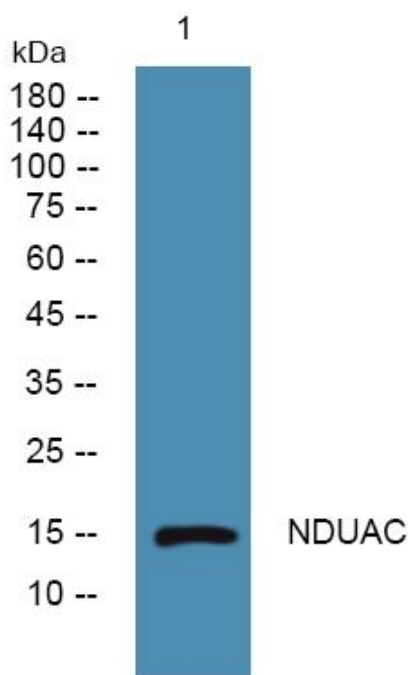
**matters needing attention**

Avoid repeated freezing and thawing!

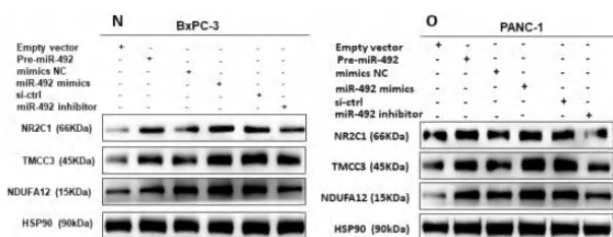
**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4° over night



NamiRNA-enhancer network of miR-492 activates the NR2C1-TGF- $\beta$ /Smad3 pathway to promote epithelial-mesenchymal transition of pancreatic cancer CARCINOGENESIS Liu Shanshan, He Xiaomeng, Di Yang, Li Qiuyue, Li Feng, Ma Yan, Chen Litian, Gao Yushi, Xu Jingjing, Yang Shuai, Xu Li, Corpe Christopher, Ling Yun, Zhang Xiaoyan, Xu Jianqing, Yu Wenqiang, Wang Jin IHC, WB Mouse, Human BxPC-3 cell-Xenograft PANC-1 cells, BxPC-3 cells