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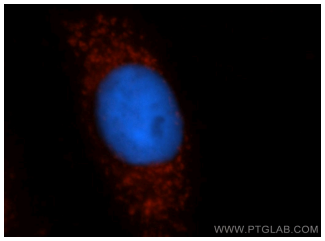
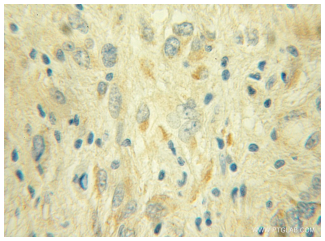
NDUFS1 Polyclonal Antibody

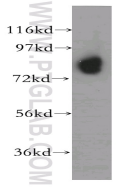
Catalog number: 12444-1-AP
Size: 25 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
NDUFS1; CI 75Kd, Complex I 75kD, NDUFS1, PRO1304



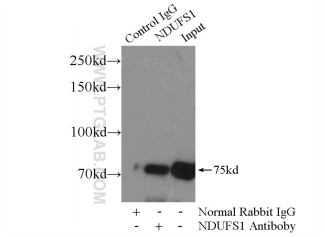
Immunofluorescent analysis of Hela cells, using NDUFS1 antibody 12444-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical of paraffin-embedded human gliomas using 12444-1-AP(NDUFS1 antibody) at dilution of 1:50 (under 10x lens)



human kidney tissue were subjected to SDS PAGE followed by western blot with 12444-1-AP(NDUFS1 antibody) at dilution of 1:400



IP Result of anti-NDUFS1 (IP:12444-1-AP, 4ug;

Background

The multisubunit NADH:ubiquinone oxidoreductase (75 kDa subunit, mitochondrial)(NDUFS1) is the first enzyme complex in the electron transport chain of mitochondria. It is also named as Complex I-75kD. By use of chaotropic agents, complex I can be fragmented into 3 different fractions: a flavoprotein fraction, an iron-sulfur protein (IP) fraction, and a hydrophobic protein (HP) fraction. NDUFS1 is the largest subunit of complex I and it is a component of the iron-sulfur (IP) fragment of the enzyme.

Applications

Tested applications:	**ELISA, WB, IHC, IF, IP**
Cited applications:	**IHC, WB**
Species specificity:	**Human,Mouse,Rat; other species not tested.**
Cited species:	**Human, mouse**
Caculated NDUFS1 MW:	**727aa,79 kDa**
Observed NDUFS1 MW:	**79 kDa**
Positive WB detected in	**Human kidney tissue, A549 cells**
Positive IP detected in	**Mouse lung tissue**
Positive IHC detected in	**Human gliomas tissue**
Positive IF detected in	**Hela cells**
Recommended dilution:	**WB: 1:200-1:1000**
	IP: 1:200-1:2000
	IHC: 1:20-1:200
	IF: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	**Ag3135**
GenBank accession number:	**BC030833**
Gene ID (NCBI):	**4719**
Full name:	**NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**

Detection:12444-1-AP 1:500)
with mouse lung tissue lysate
2800ug.