

# Immunotag™ NDUFS6 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT3020
Product Description	Immunotag™ NDUFS6 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	NDUFS6
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IHC-p,ELISA
Recommended Dilution	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from NDUFS6, at AA range: 50-130
Specificity	NDUFS6 Polyclonal Antibody detects endogenous levels of NDUFS6 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	NDUFS6
Accession No.	O75380 P52503 P52504
Alternate Names	NDUFS6; NADH dehydrogenase [ubiquinone] iron-sulfur protein 6; mitochondrial; Complex I-13kD-A; CI-13kD-A; NADH-ubiquinone oxidoreductase 13 kDa-A subunit

## Antibody Specification

Description	NADH:ubiquinone oxidoreductase subunit S6(NDUFS6) Homo sapiens This gene encodes a subunit of the NADH:ubiquinone oxidoreductase (complex I), which is the first enzyme complex in the electron transport chain of mitochondria. This complex functions in the transfer of electrons from NADH to the respiratory chain. The subunit encoded by this gene is one of seven subunits in the iron-sulfur protein fraction. Mutations in this gene cause mitochondrial complex I deficiency, a disease that causes a wide variety of clinical disorders, including neonatal disease and adult-onset neurodegenerative disorders.[provided by RefSeq, Oct 2009],
Cell Pathway/ Category	Oxidative phosphorylation,Alzheimer's disease,Parkinson's disease,Huntington's disease,
Protein Expression	Lung,Skin,
Subcellular Localization	mitochondrial inner membrane,mitochondrial respiratory chain complex I,respiratory chain,
Protein Function	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 NDUFS6 subunit family.,subunit:Mammalian complex I is composed of 45 different subunits. This is a component of the iron-sulfur (IP) fragment of the enzyme.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.