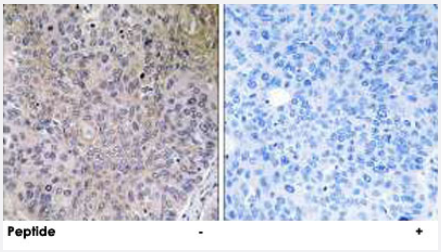
NDUFS7 polyclonal antibody

Catalog # PAB17789 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using NDUFS7 polyclonal antibody (Cat # PAB17789).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NDUFS7.
Immunogen	A synthetic peptide corresponding to internal of human NDUFS7.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total NDUFS7 protein.
Form	Liquid
Recommend Usage	Immunohistochemistry (1:50-1:100) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — NDUFS7

Entrez GeneID	374291
Protein Accession#	O75251
Gene Name	NDUFS7
Gene Alias	CI-20KD, FLJ45860, FLJ46880, MGC120002, MY017, PSST
Gene Description	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)
Omim ID	256000 601825
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is a subunit of one of the complexes that forms the mitochondrial respiratory chain. This protein is one of over 40 subunits found in complex I, the nicotinamide ade nine dinucleotide (NADH):ubiquinone oxidoreductase. This complex functions in the transfer of ele ctrons from NADH to the respiratory chain, and ubiquinone is believed to be the immediate electr on acceptor for the enzyme. Mutations in this gene cause Leigh syndrome due to mitochondrial co mplex I deficiency, a severe neurological disorder that results in bilaterally symmetrical necrotic le sions in subcortical brain regions. [provided by RefSeq
Other Designations	NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial|NADH-coenzyme Q reduct ase|NADH-ubiquinone oxidoreductase Fe-S protein 7|NADH:ubiquinone oxidoreductase PSST s ubunit|complex I, mitochondrial respiratory chain, 20-KD subunit|complex I-20

Pathway

- Metabolic pathways
- Oxidative phosphorylation

Disease

- Alzheimer disease
- Cognition