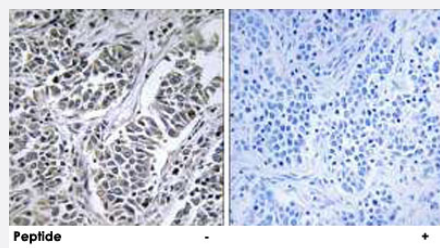


ATP5D polyclonal antibody

Catalog # PAB17614 Size 100 ug

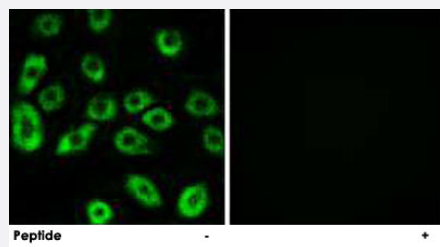
Applications



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

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using ATP5D polyclonal antibody (Cat # PAB17614).

Peptide "+" means "with peptide blocking".



Immunofluorescence

Immunofluorescence analysis of A-549 cells, using ATP5D polyclonal antibody (Cat # PAB17614).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ATP5D.
Immunogen	A synthetic peptide corresponding to internal of human ATP5D.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total ATP5D protein.
Form	Liquid

Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) 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)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using ATP5D polyclonal antibody (Cat # PAB17614).

Peptide "+" means "with peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of A-549 cells, using ATP5D polyclonal antibody (Cat # PAB17614).

Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ATP5D

Entrez GeneID	513
Protein Accession#	P30049
Gene Name	ATP5D
Gene Alias	-
Gene Description	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, delta subunit
Omim ID	603150
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the delta subunit of the catalytic core. Alternatively spliced transcript variants encoding the same isoform have been identified. [provided by RefSeq]

Other Designations

mitochondrial ATP synthase complex delta-subunit precursor|mitochondrial ATP synthase, delta subunit

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)