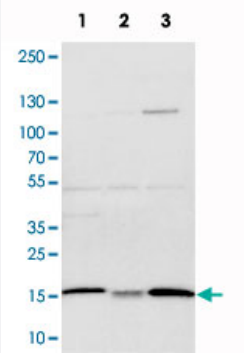
ATP5D polyclonal antibody

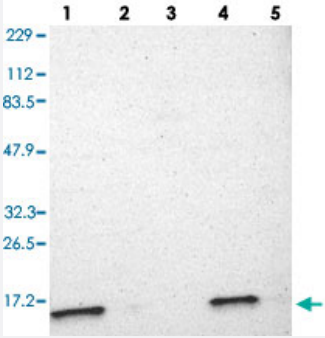
Catalog # PAB20134 Size 100 uL

Applications



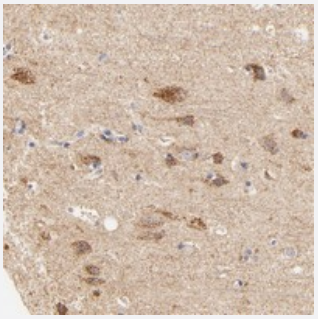
Western Blot (Cell lysate)

Western blot analysis of cell lysates with ATP5D polyclonal antibody (Cat # PAB20134).
Lane 1 : NIH/3T3
Lane 2 : NBT-II
Lane 3: PC-12



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with ATP5D polyclonal antibody (Cat # PAB20134).



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

Immunohistochemical staining of human cerebral cortex with ATP5D polyclonal antibody (Cat # PAB20134) shows strong cytoplasmic positivity in granular pattern in neuronal cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant ATP5D.

Immunogen	Recombinant protein corresponding to amino acids of human ATP5D.
Sequence	PNQMSFTFASPTQVFFNGANVRQVDVPTLTGAFGILAAHVPTLQVLRPGLVVVHAEDGTTSKYFV SSGSIAVNADSSVQLLAEEAVTLDMLDLGAAKANLEKAQ
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of cell lysates with ATP5D polyclonal antibody (Cat # PAB20134).
  Lane 1 : NIH/3T3
  Lane 2 : NBT-II
  Lane 3: PC-12

- Western Blot

  Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with ATP5D polyclonal antibody (Cat # PAB20134).

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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 precusor|mitochondrial ATP synthase, delta subunit

Pathway

- Metabolic pathways
- Oxidative phosphorylation