

ATP5G3 Antibody

Catalog No: #34451

Package Size: #34451-1 50ul #34451-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

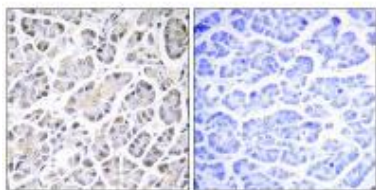
Product Name	ATP5G3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ATP5G3 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human ATP5G3.
Target Name	ATP5G3
Other Names	ATP synthase lipid-binding protein; mitochondrial; ATP synthase proteolipid P3; ATPase protein 9; ATPase subunit c
Accession No.	Swiss-Prot: P48201NCBI Gene ID: 518
Uniprot	P48201
GeneID	518;
SDS-PAGE MW	15kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:50~1:100

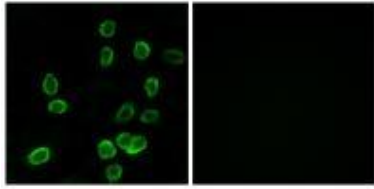
Immunofluorescence: 1:100~1:500

Images



Immunohistochemistry analysis of paraffin-embedded human pancreas tissue using ATP5G3 antibody #34451.

Immunofluorescence analysis of A549 cells, using ATP5G3 antibody #34451.



Background

Mitochondrial membrane ATP synthase (F₁F₀ ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F₁ - containing the extramembraneous catalytic core and F₀ - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F₁ is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F₀ domain. A homomeric c-ring of probably 10 subunits is part of the complex rotary element. HAMAP-Rule MF_01396

Yan W.L., Genomics 24:375-377(1994).

L., Du H., Nature 434:724-731(2005).

The MGC Project Team; Genome Res. 14:2121-2127(2004).

Note: This product is for in vitro research use only