Product Datasheet

ATP5C1 Antibody

Catalog No: #46322

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

Description

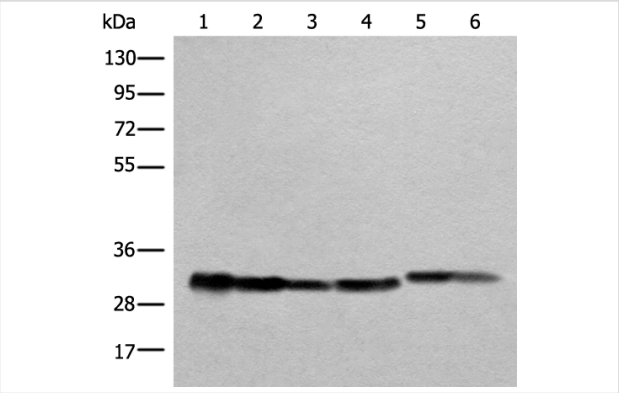
Product Name	ATP5C1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total ATP5C1 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic protein corresponding to residues near the C terminal of human ATP5C1
Target Name	ATP5C1
Other Names	ATP5C; ATP5CL1
Accession No.	Swiss-Prot:P36542NCBI Gene ID:509NCBI Protein:BC000470
Uniprot	P36542
GeneID	509;
Calculated MW	33 kDa
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

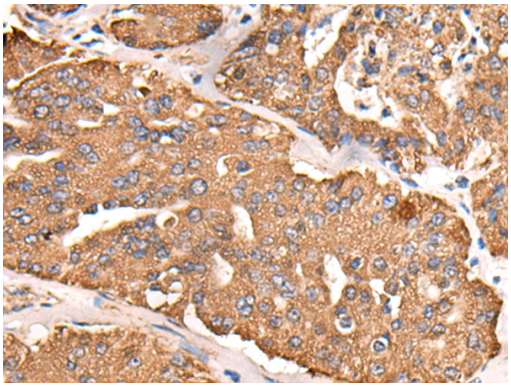
Western blotting: 1:1000-1:5000

Immunohistochemistry: 1: 40-200

Images



Gel: 8%SDS-PAGE
, Lysate: 40 B¦Γ g,, Lane 1-6: Human heart tissue,A549,231,Jurkat,HEPG2 and Hela cell lysates,
Primary antibody: 46322(ATP5C1 Antibody) at dilution 1/1000 dilution,
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 5 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46322(ATP5C1 Antibody) at dilution 1/55, on the right is treated with fusion protein. (Original magnification: x200)

Background

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 gamma subunit of the catalytic core. Alternatively spliced transcript variants encoding different isoforms have been identified. This gene also has a pseudogene on chromosome 14.?

Note: This product is for in vitro research use only