10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-ATP5S Antibody

Catalog # AP51729

Product Information

Application	WB, IHC
Primary Accession	Q99766
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23226

Additional Information

Gene ID	27109
Other Names	ATPW; ATP synthase subunit s mitochondrial; ATP synthase-coupling factor B; FB; Mitochondrial ATP synthase regulatory component factor B
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ATP5S. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

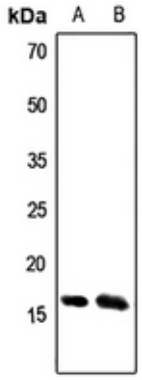
Name	DMAC2L (HGNC:18799)
Function	Involved in regulation of mitochondrial membrane ATP synthase. Necessary for H(+) conduction of ATP synthase. Facilitates energy-driven catalysis of ATP synthesis by blocking a proton leak through an alternative proton exit pathway.
Cellular Location	Mitochondrion {ECO:0000250|UniProtKB:P22027}. Mitochondrion inner membrane {ECO:0000250|UniProtKB:P22027}

References

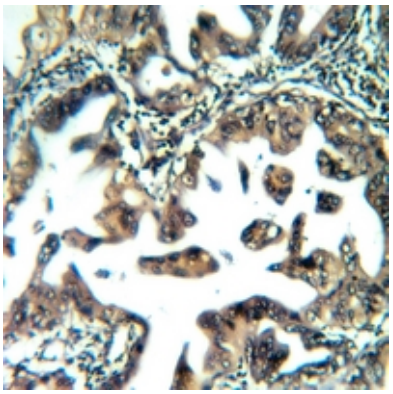
Yu W.,et al.Genome Res. 7:353-358(1997).
Belogrudov G.I.,et al.J. Biol. Chem. 277:6097-6103(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Heilig R.,et al.Nature 421:601-607(2003).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of ATP5S expression in Hela (A), HGC27 (B) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 16 kD)



Immunohistochemical analysis of ATP5S staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.