

For Research Use Only

ATP5G3 Polyclonal antibody

Catalog Number: 21662-1-AP



Basic Information

Catalog Number: 21662-1-AP	GenBank Accession Number: BC106881	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 518	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P48201	
Isotype: IgG	Full Name: ATP synthase, H ⁺ transporting, mitochondrial F ₀ complex, subunit C3 (subunit 9)	
Immunogen Catalog Number: AG16406	Calculated MW: 142 aa, 15 kDa	

Applications

Tested Applications: IHC, ELISA	Positive Controls: IHC : human ovary tumor tissue,
Species Specificity: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

ATP5G3, also known as ATP5MC3, belongs to the ATPase C chain family. ATP5G3 encodes subunit 9 (ATPase subunit c), which is a subunit of the multi-subunit enzyme that catalyzes ATP synthesis during oxidative phosphorylation in mitochondria. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F₁, and the membrane-spanning component, F₀, comprising the proton channel. The subunit c is a component of the proton channel proteins in the F₀ portion of the enzyme.

Storage

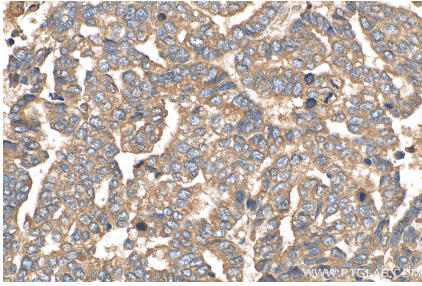
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

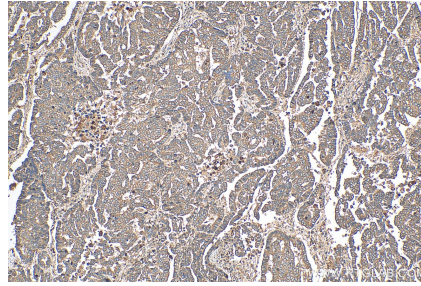
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 21662-1-AP (ATP5G3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 21662-1-AP (ATP5G3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).