

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

ATP5G RABBIT MAB

Cat.#: N261894

Product Name: Anti-ATP5G Rabbit Monoclonal Antibody

Synonyms: ATP synthase lipid-binding protein; ATP synthase membrane

subunit c locus 1

UNIPROT ID: P05496/Q06055/P48201

Background: Mitochondrial membrane ATP synthase (FIFO 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, FI – 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 FI 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. Miscellaneous There are three genes which encode the mitochondrial ATP synthase proteolipid and they specify precursors with different import sequences but identical mature proteins. Is the major protein stored in the storage bodies of animals or humans affected with ceroid lipofuscinosis (Batten disease).

Immunogen: A synthetic peptide of human ATP5G1/G2/G3

Applications: WB,IHC-P,IP

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R02-6G1

MW: Calculated MW: 14 kDa; Observed MW: 14 kDa

Isotype: IgG

Purification: Affinity Purified
Species Reactivity: Human,Rat
Conjugation: Unconjugated
Modification: Unmodified

Constituents: PBS (without Mg2+ and Ca2+), pH 7.3 containing 50%

glycerol, 0.5% BSA and 0.02% sodium azide

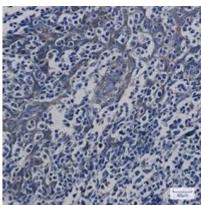
Research Areas: Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

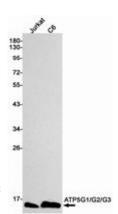


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Immunohistochemistry analysis of paraffin-embedded Human tonsil using ATP5G1/G2/G3 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of ATP5G1/G2/G3 in Jurkat, C6 lysates using ATP5G antibody.