

Product datasheet for TA392870S

Product data:

Product Type: Primary Antibodies

ATP5ME Rabbit Polyclonal Antibody

Applications: WB

Recommended Dilution: WB: 1:500~1:1000 IHC: 1:50~1:200 IP 1:50 - 1:100

Reactivity: Human, Mouse

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Immunogen: Synthetic peptide, corresponding to amino acids 50-100 of Human ATP5I.

Specificity: ATP5I (K69) polyclonal antibody detects endogenous levels of ATP5I protein.

Formulation: Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Concentration: 1mg/ml

Conjugation: Unconjugated

Storage: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Stability: 1 year

Predicted Protein Size: ~ 8 kDa

Gene Name: ATP synthase, H+ transporting, mitochondrial Fo complex subunit E

Database Link: Entrez Gene 521 Human

P56385

Background: Mitochondrial ATP synthases (ATPases) transduce the energy contained in membrane

electrochemical proton gradients into the energy required for synthesis of high-energy phosphate bonds. ATPases contain two linked complexes: F1, the hydrophilic catalytic core; and F0, the membrane-embedded protein channel. The two complexes are linked 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, with proton translocation across the membrane. ATP5I, also known as mitochondrial ATP synthase subunit E or ATP5K,

is a 69 amino acid protein member of the ATPase E subunit family. Localized to the inner

membrane of the mitochondria, ATP5I is a part of the F0 complex.

Synonyms: ATP5I; ATP5K; ATPase subunit e; ATP synthase subunit e, mitochondrial



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

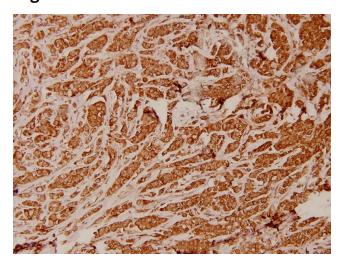
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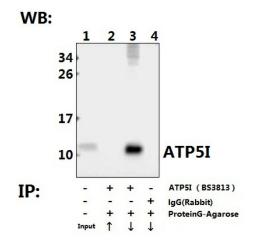
Note:

For research use only, not for use in diagnostic procedure.

Product images:



Immunohistochemistry (IHC) analyzes of ATP5I (K69) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of HEK293T cell lysate using ATP5I (K69) pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate) #BD0048 (lane 4) .Lane 1 is 30% input. The western blot was probed using ATP5I (K69) #[TA392870]. "↑"□supernatant□; "↓(deposition□