

## Product datasheet for **TA392871S**

### ATP5A (ATP5A1) Rabbit Polyclonal Antibody

#### Product data:

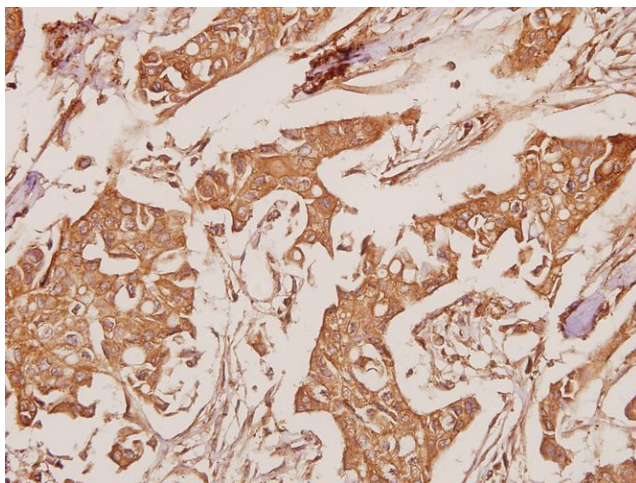
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500~1:1000 IHC: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 210-260 of Human ATP5A.
Specificity:	ATP5A (K239) polyclonal antibody detects endogenous levels of ATP5A 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:	~ 60 kDa
Gene Name:	ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
Database Link:	<a href="#">Entrez Gene 498 Human P25705</a>
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. F1 consists of three $\alpha$ chains and three $\beta$ chains, which are weakly homologous, as well as one $\gamma$ chain, one $\delta$ chain and one $\epsilon$ chain. F0 consists of three subunits, a, b and c. The $\alpha$ chain of F1 is a regulatory subunit that contains 509 amino acids. Mitochondrial ATPase $\alpha$ chain (ATP5A) localizes to the mitochondria and catalyzes ATP synthesis.
Synonyms:	ATP5A; ATP5A1; ATP5AL2; ATPM; ATP synthase subunit alpha, mitochondrial



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**Note:** For research use only, not for use in diagnostic procedure.

**Product images:**



Immunohistochemistry (IHC) analyzes of ATP5A (K239) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.