

## Product datasheet for **TA387222**

### ATP5PB Rabbit Polyclonal Antibody

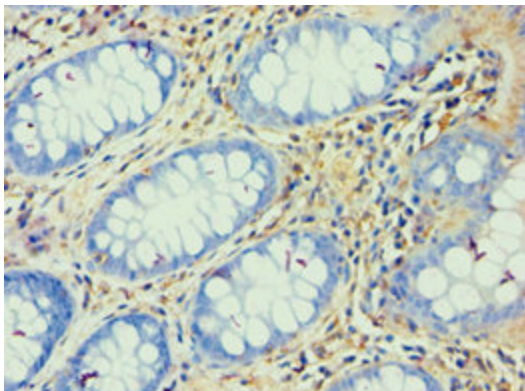
#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200
Reactivity:	Mouse, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant Human ATP synthase F(0) complex subunit B1, mitochondrial protein (1-245AA)
Formulation:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Antigen Affinity Purified
Conjugation:	Unconjugated
Storage:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Stability:	1 year from dispatch.
Database Link:	<a href="#">P24539</a>

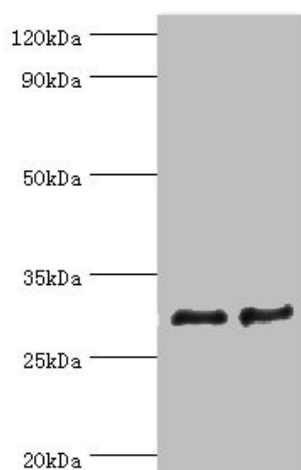
**Background:** Mitochondrial membrane ATP synthase (F1F0 ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F1 - containing 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 F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain and the peripheral stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements.



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**Product images:**

Immunohistochemistry of paraffin-embedded human colon cancer using TA387222 at dilution of 1:100



Western blot  
All lanes: ATP synthase F<sub>0</sub> complex subunit B1, mitochondrial antibody at 4 $\mu$ g/ml  
Lane 1: Mouse heart tissue  
Lane 2: Mouse skeletal muscle tissue  
Secondary  
Goat polyclonal to rabbit IgG at 1/10000 dilution  
Predicted band size: 29 kDa  
Observed band size: 29 kDa