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Product datasheet for TA386945M

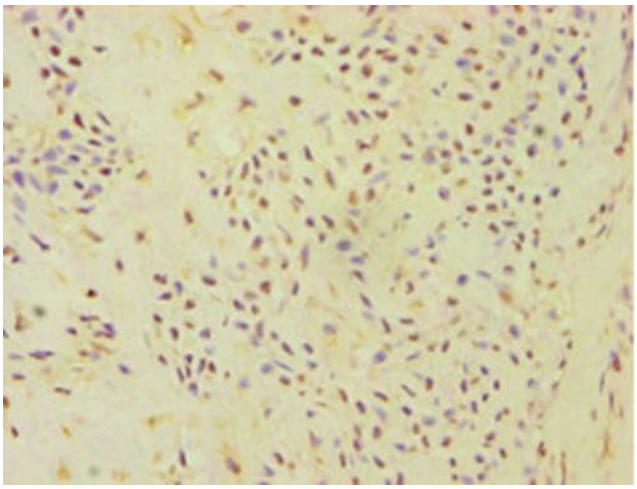
ATP5PF Rabbit Polyclonal Antibody

Product data:

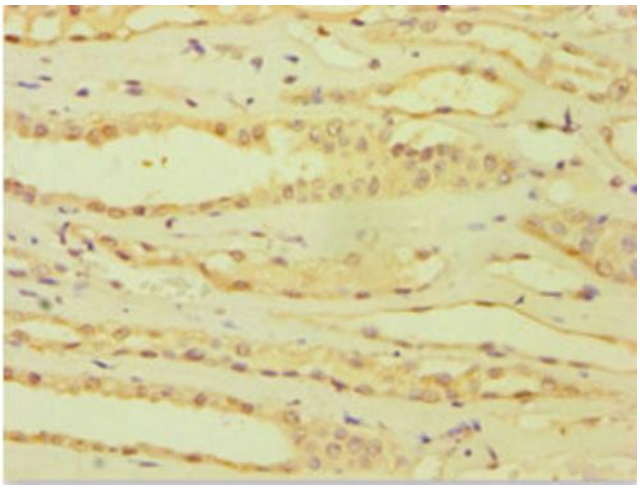
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200
Reactivity:	Mouse, Rat, Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant Human ATP synthase-coupling factor 6, mitochondrial protein (1-108AA)
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:	P18859
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 peripheric stalk, which acts as a stator to hold the catalytic alpha3beta3 subcomplex and subunit a/ATP6 static relative to the rotary elements. Also involved in the restoration of oligomycin-sensitive ATPase activity to depleted F1-F0 complexes.

View online »

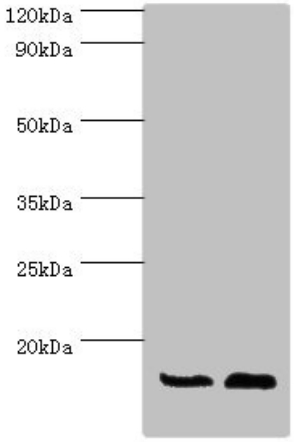
Product images:



Immunohistochemistry of paraffin-embedded human breast cancer using [TA386945] at dilution of 1:100



Immunohistochemistry of paraffin-embedded human kidney tissue using [TA386945] at dilution of 1:100



Western blot
All lanes: ATP5J antibody at 7µg/ml
Lane 1: Rat brain tissue
Lane 2: Mouse heart tissue
Secondary
Goat polyclonal to rabbit IgG at 1/10000 dilution
Predicted band size: 13, 14 kDa
Observed band size: 13 kDa