

Product datasheet for **TA372136S**

ATP5MJ Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: 293T and RAW264.7 cell □ Human fetal brain tissue □ Jurkat and 231 cell □ Human heart tissue □ Hela cell lysates IHC: 40-200 Positive control: Human prostate cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human ATP5MPL
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	7 kDa
Gene Name:	chromosome 14 open reading frame 2
Database Link:	Entrez Gene 9556 Human P56378



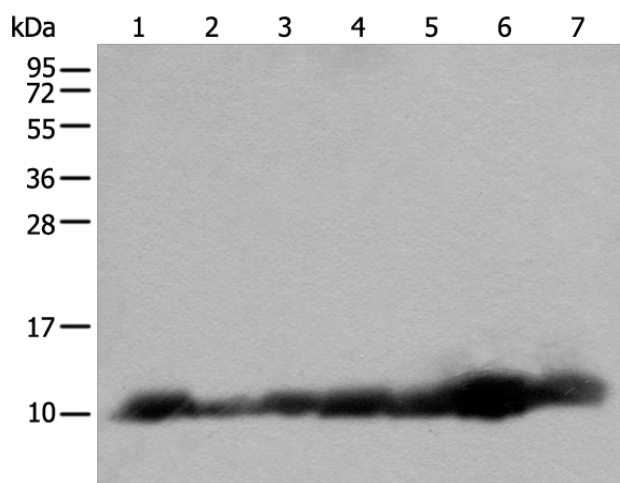
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Background:

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 (Probable). Minor subunit required to maintain the ATP synthase population in the mitochondria (PubMed:24330338).

Synonyms:

MP68; PLPM

Product images:

Gel: 12%SDS-PAGE

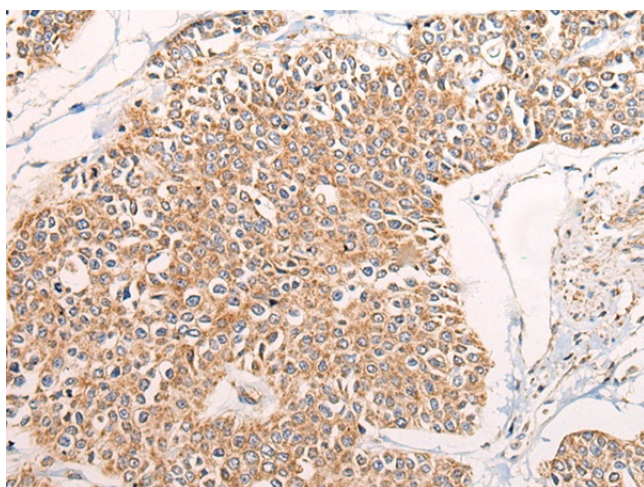
Lysate: 40 µg

Lane 1-7: 293T and RAW264.7 cell □ Human fetal brain tissue □ Jurkat and 231 cell □ Human heart tissue □ Hela cell lysates

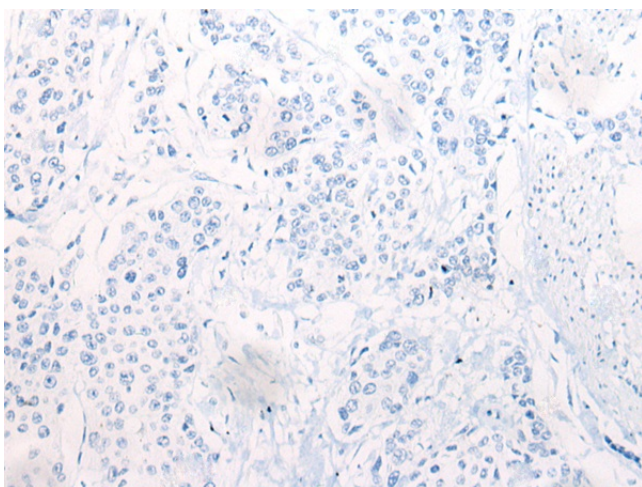
Primary antibody: [TA372136] (ATP5MPL Antibody) at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

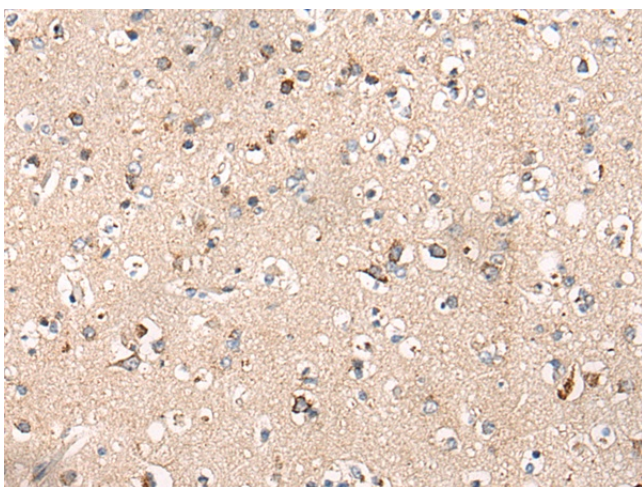
Exposure time: 5 seconds



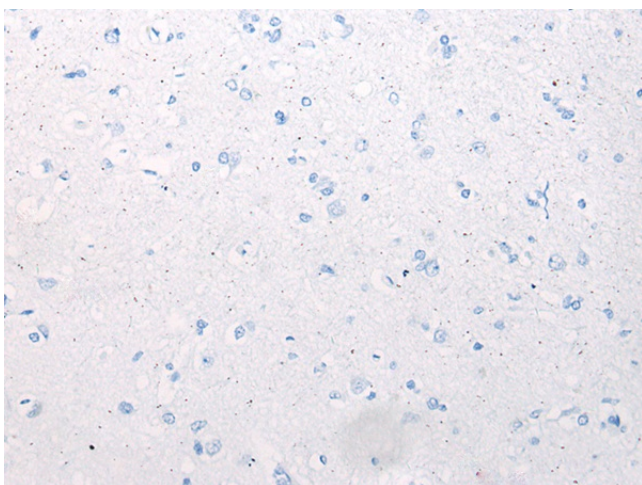
Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA372136] (ATP5MPL Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA372136] (ATP5MPL Antibody) at dilution 1/60, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA372136] (ATP5MPL Antibody) at dilution 1/60 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA372136] (ATP5MPL Antibody) at dilution 1/60, treated with synthetic peptide. (Original magnification: $\times 200$)