

## Product datasheet for **TA368410**

### ATP5ME Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | IHC, WB   |
| Recommended Dilution:   | WB: 500-2000<br>WB positive control: Human heart tissue, Human fetal liver tissue, 293T cell, PC-3 cell, Human liver tissue lysates<br>IHC: 50-300<br>Positive control: Human cervical cancer<br>Predicted cell location: Cytoplasm |
| Reactivity:             | Human, Mouse, Rat   |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | Synthetic peptide of human ATP5ME   |
| Formulation:            | pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol  |
| Concentration:          | lot specific  |
| Purification:           | Antigen affinity purification   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C.   |
| Stability:              | 1 year  |
| Predicted Protein Size: | 8 kDa   |
| Gene Name:              | ATP synthase, H <sup>+</sup> transporting, mitochondrial Fo complex subunit E   |
| Database Link:          | <a href="#">Entrez Gene 521 Human P56385</a>  |



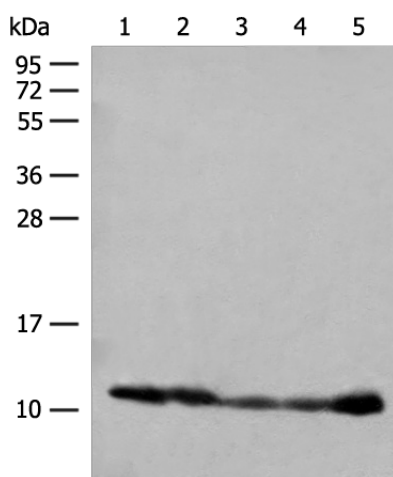
[View online »](#)

**Background:**

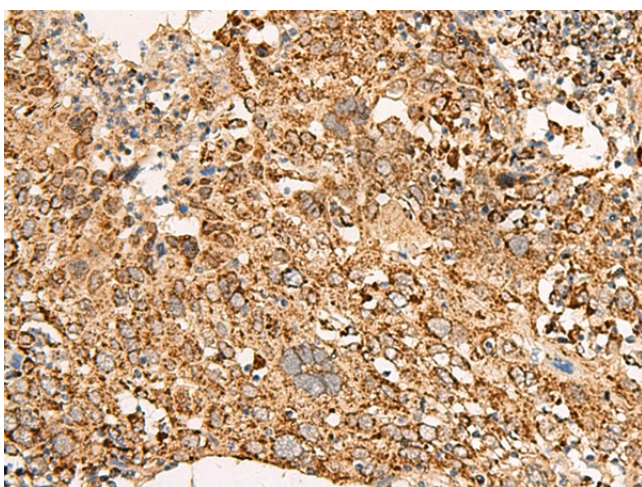
Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The Fo seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the e subunit of the Fo complex. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jun 2010]

**Synonyms:**

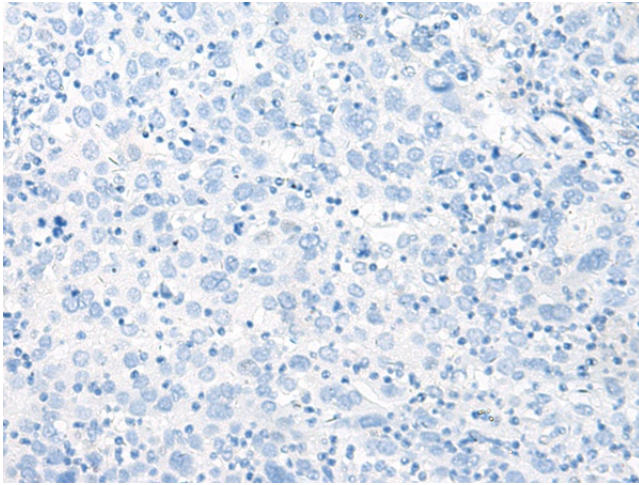
ATP5K; MGC12532

**Product images:**


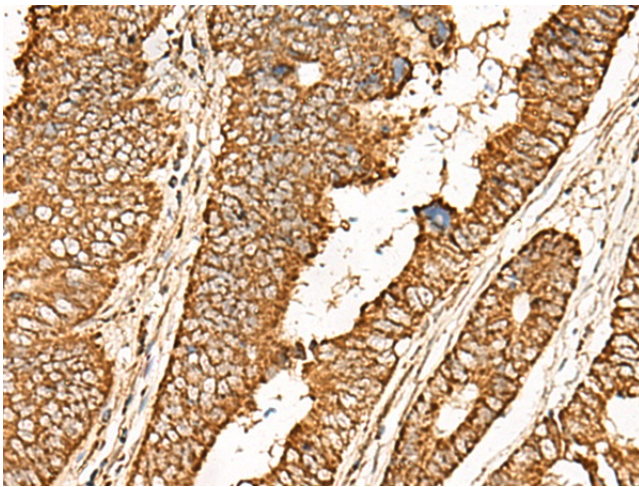
Gel: 12%SDS-PAGE  
 Lysate: 40 µg  
 Lane 1-5: Human heart tissue  
 Human fetal liver tissue  
 293T cell  
 PC-3 cell  
 Human liver tissue lysates  
 Primary antibody: TA368410 (ATP5ME Antibody)  
 at dilution 1/400  
 Secondary antibody: Goat anti rabbit IgG at  
 1/8000 dilution  
 Exposure time: 5 seconds



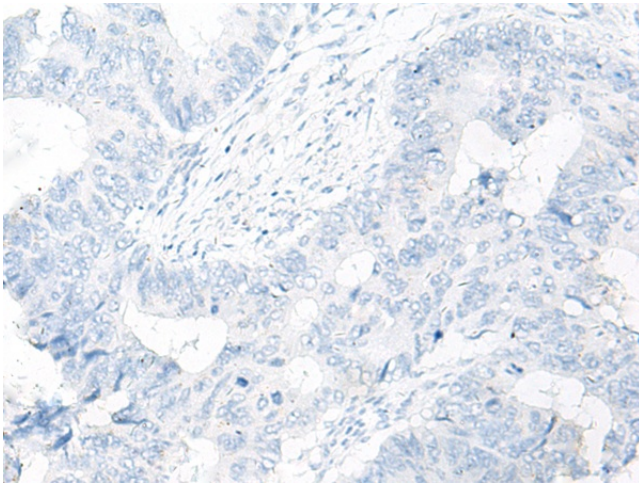
Immunohistochemistry of paraffin-embedded  
 Human cervical cancer tissue using TA368410  
 (ATP5ME Antibody) at dilution 1/65 (Original  
 magnification: ×200)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using TA368410 (ATP5ME Antibody) at dilution 1/65, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA368410 (ATP5ME Antibody) at dilution 1/65 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using TA368410 (ATP5ME Antibody) at dilution 1/65, treated with synthetic peptide. (Original magnification: ×200)