

## ATP5PD Polyclonal Antibody

catalog number: E-AB-18971

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

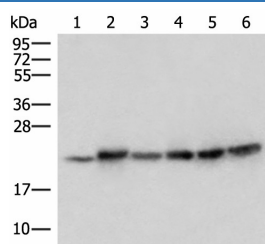
<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	Fusion protein of human ATP5PD
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

### Applications

### Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:300

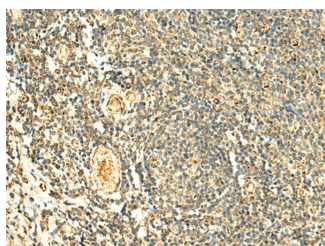
### Data



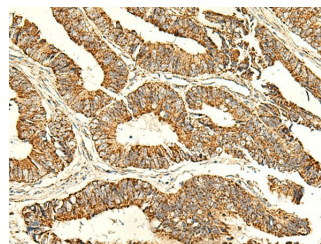
Western blot analysis of Mouse skeletal muscle tissue, Mouse kidney tissue, PC-3, Jurkat, HepG2, and Hela cell lysates using ATP5PD Polyclonal Antibody at dilution of 1:300.

**Observed-MW: Refer to figures**

**Calculated-MW: 18 kDa**



Immunohistochemistry of paraffin-embedded Human tonsil tissue using ATP5PD Polyclonal Antibody at dilution of 1:50 (×200).



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ATP5PD Polyclonal Antibody at dilution of 1:50 (×200).

### Preparation & Storage

<b>Storage</b>	Store at -20°C. Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack; upon receipt, store it immediately at the temperature recommended.

### Background

### For Research Use Only

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, F<sub>1</sub>, and the membrane-spanning component, F<sub>o</sub>, which comprises the proton channel. The F<sub>1</sub> 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 F<sub>o</sub> seems to have nine subunits (a, b, c, d, e, f, g, F<sub>6</sub> and 8). This gene encodes the d subunit of the F<sub>o</sub> complex. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. In addition, three pseudogenes are located on chromosomes 9, 12 and 15.