

## Product datasheet for **TA370600**

### ATP6V1C1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human cerebella tissue and Human cerebrum tissue lysates IHC: 100-200 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ATP6V1C1
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:	44 kDa
Gene Name:	ATPase H <sup>+</sup> transporting V1 subunit C1
Database Link:	<a href="#">Entrez Gene 528 Human P21283</a>



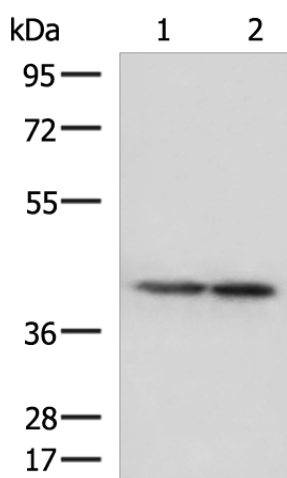
[View online »](#)

**Background:**

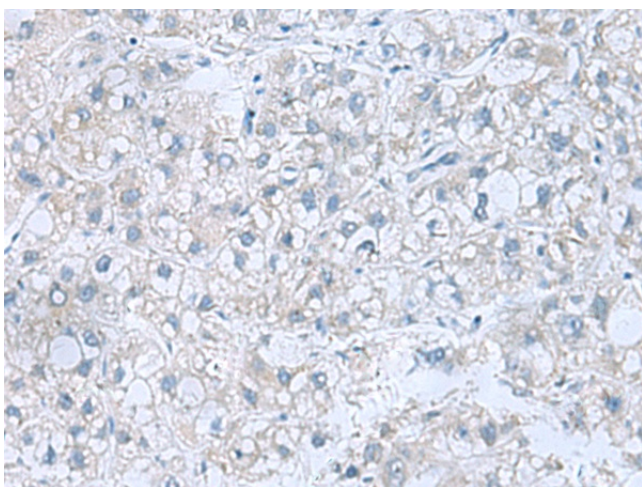
This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This gene is one of two genes that encode the V1 domain C subunit proteins and is found ubiquitously. This C subunit is analogous but not homologous to gamma subunit of F-ATPases. Previously, this gene was designated ATP6D.

**Synonyms:**

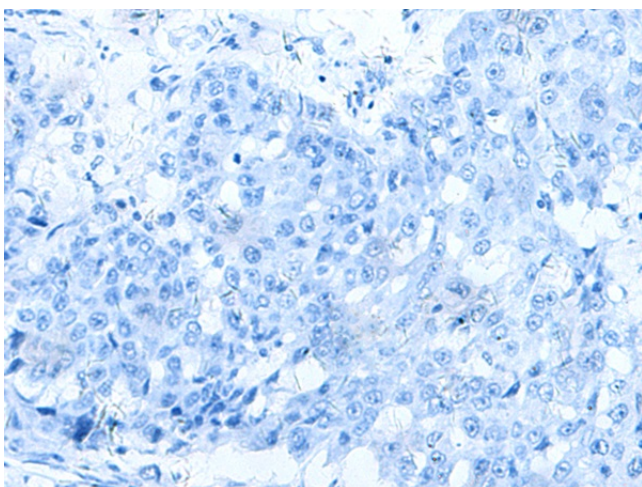
ATP6C; ATP6D; FLJ20057; VATC; Vma5

**Product images:**

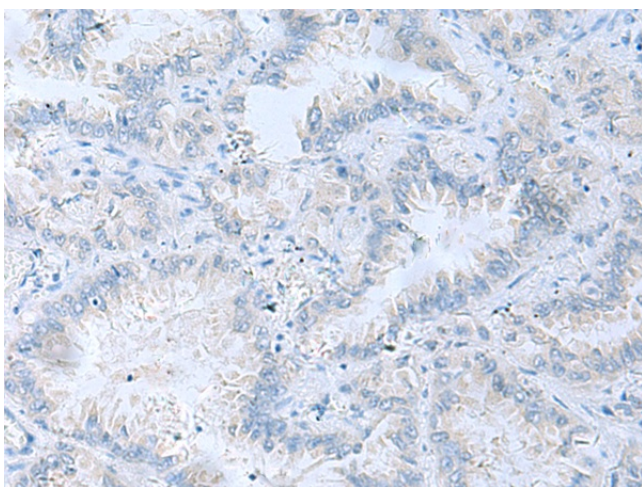
Gel: 8%SDS-PAGE  
Lysate: 40 µg  
Lane 1-2: Human cerebella tissue and Human cerebrum tissue lysates  
Primary antibody: TA370600 (ATP6V1C1 Antibody) at dilution 1/500  
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution  
Exposure time: 10 seconds



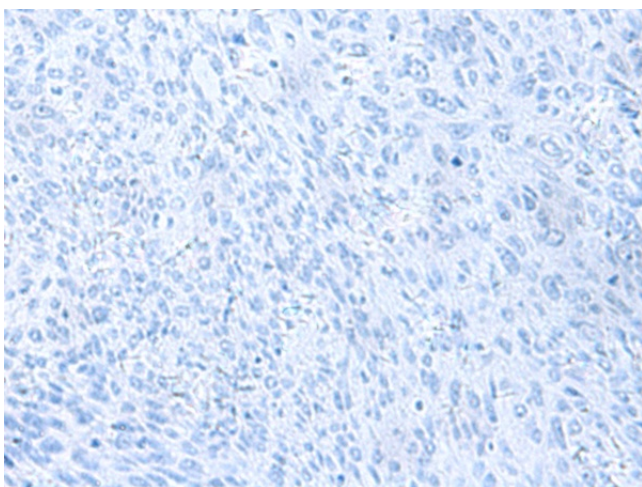
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA370600 (ATP6V1C1 Antibody) at dilution 1/100 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA370600 (ATP6V1C1 Antibody) at dilution 1/100, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA370600 (ATP6V1C1 Antibody) at dilution 1/100 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA370600 (ATP6V1C1 Antibody) at dilution 1/100, treated with fusion protein. (Original magnification: ×200)