

Product datasheet for **TA366250**

ATP6V1C1 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 500-2000 WB positive control: Human cerebrum tissue and Human cerebella tissue lysates IHC: 100-200 Positive control: Human tonsil 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 ₃ , 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 ⁺ transporting V1 subunit C1 |
| Database Link: | Entrez Gene 528 Human P21283 |



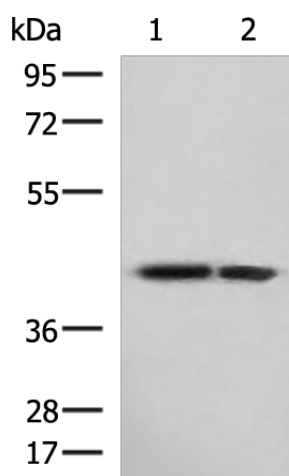
[View online »](#)

Background:

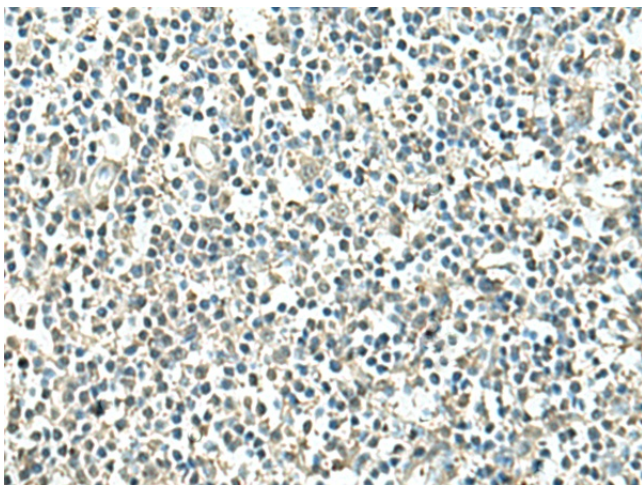
This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, 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:

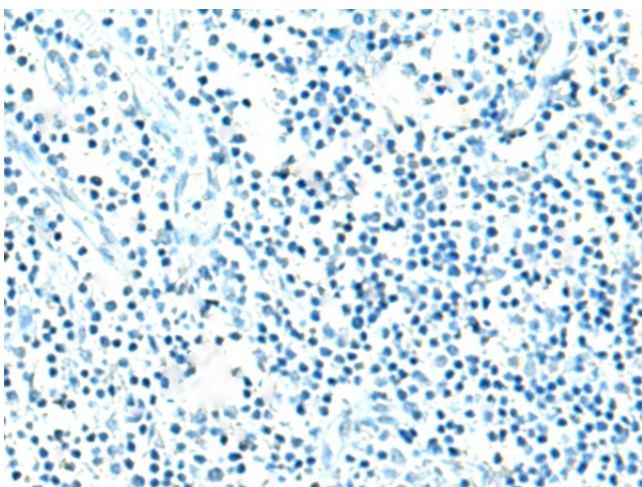
ATP6C; ATP6D; FLJ20057; VATC; Vma5

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Human cerebrum tissue and Human cerebella tissue lysates
Primary antibody: TA366250 (ATP6V1C1 Antibody) at dilution 1/800
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 10 seconds



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366250 (ATP6V1C1 Antibody) at dilution 1/100 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA366250 (ATP6V1C1 Antibody) at dilution 1/100, treated with fusion protein. (Original magnification: $\times 200$)