



# VATE1 rabbit pAb

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-24987                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity         | Human; Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applications       | WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name          | ATP6V1E1 ATP6E ATP6E2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Name       | VATE1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen          | Synthesized peptide derived from human VATE1 AA range: 156-206                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity        | This antibody detects endogenous levels of VATE1 at Human/Mouse/Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purification       | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dilution           | WB 1: 500-2000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Observed Band      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cell Pathway       | Apical cell membrane ; Peripheral membrane protein . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Peripheral membrane protein . Cytoplasmic vesicle, clathrin-coated vesicle membrane ; Peripheral membrane protein .                                                                                                                                                                                                                                                                        |
| Tissue Specificity | Kidney; localizes to early distal nephron, encompassing thick ascending limbs and distal convoluted tubules (at protein level) (PubMed:29993276). Ubiquitous (PubMed:12036578). High expression in the skin (PubMed:28065471).                                                                                                                                                                                                                                                                                      |
| Function           | function:Subunit of the peripheral V1 complex of vacuolar ATPase essential for assembly or catalytic function. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.,similarity:Belongs to the V-ATPase e subunit family.,subunit:V-ATPase is an heteromultimeric enzyme composed of a peripheral catalytic V1 complex (components A to H) attached to an integral membrane V0 proton pore complex (components: a, c, c', c'' and d).,tissue specificity:Ubiquitous., |

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## Background

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle 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, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. This gene encodes alternate transcriptional splice variants, encoding different V1 domain E subunit isoforms. Pseudogenes for this gene have been found in the genome. [provided by RefSeq, Jul 2008],

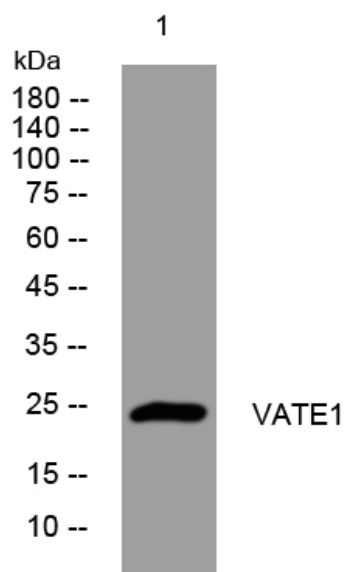
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



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