



# VATF Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-22594                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity         | Human;Rat;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applications       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name          | ATP6V1F ATP6S14 VATF                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protein Name       | V-type proton ATPase subunit F (V-ATPase subunit F) (V-ATPase 14 kDa subunit) (Vacuolar proton pump subunit F)                                                                                                                                                                                                                                                                                                                                                                       |
| Immunogen          | Synthesized peptide derived from part region of human protein AA range: 1-50                                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity        | VATF Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                |
| Dilution           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Observed Band      | 13kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cell Pathway       | Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Peripheral membrane protein . Cytoplasmic vesicle, clathrin-coated vesicle membrane ; Peripheral membrane protein .                                                                                                                                                                                                                                                                                              |
| Tissue Specificity | Brain,Breast,Fetal brain,                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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 F 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)., |
| 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,                                                                                                                                                               |

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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 encoded protein is the V1 domain F subunit protein. [provided by RefSeq, Jul 20

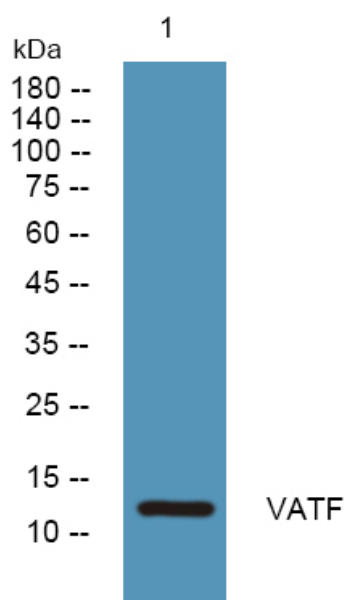
**matters needing attention**

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



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night