

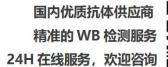


## V-ATPase H Monoclonal Antibody

| Catalog No         | BYmab-16514  |
|--------------------|--|
| Isotype            | IgG  |
| Reactivity         | Human;Mouse  |
| Applications       | WB   |
| Gene Name          | ATP6V1H  |
| Protein Name       | V-type proton ATPase subunit H   |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human ATP6V1H. AA range:341-390  |
| Specificity        | V-ATPase H Monoclonal Antibody detects endogenous levels of V-ATPase H protein.  |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Source             | Monoclonal, Mouse,IgG  |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution           | WB 1:500-2000  |
| Concentration      | 1 mg/ml  |
| Purity             | ≥90%   |
| Storage Stability  | -20°C/1 year   |
| Synonyms           | ATP6V1H; CGI-11; V-type proton ATPase subunit H; V-ATPase subunit H; Nef-binding protein 1; NBP1; Protein VMA13 homolog; V-ATPase 50/57 kDa subunits; Vacuolar proton pump subunit H; Vacuolar proton pump subunit SFD   |
| Observed Band      | 55kD   |
| Cell Pathway       | Cytoplasmic vesicle, clathrin-coated vesicle membrane ; Peripheral membrane protein .  |
| Tissue Specificity | Widely expressed.  |
|                    |  |
| Function           | function:Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit H activates the ATPase activity of the enzyme and couples ATPase activity to proton flow. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system (By similarity). Involved in the endocytosis mediated by clathrin-coated pits, required for the formation of endosomes.,similarity:Belongs to the V-ATPase H subunit family.,subunit:V-ATPase is an heteromultimeric enzyme composed of a |

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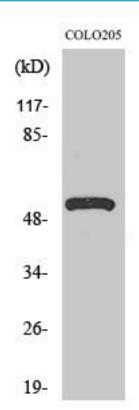






|                           | peripheral catalytic V1 complex (components A to H) attached to an integral membrane V0 proton pore complex (components: a, c, c', c" and d). Interacts with HIV-1 Nef protein and AP2M1.,tissue specificity:Widely expressed.,  |
|---------------------------|--|
| Background                | This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular organelles. V-ATPase-dependent organelle acidification is necessary for multiple processes including protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. The encoded protein is the regulatory H subunit of the V1 domain of V-ATPase, which is required for catalysis of ATP but not the assembly of V-ATPase. Decreased expression of this gene may play a role in the development of type 2 diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012], |
| 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 various cells using V-ATPase H Monoclonal Antibody

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