

**ATP6V1B2 Antibody (monoclonal) (M02)**

Mouse monoclonal antibody raised against a full length recombinant ATP6V1B2.

Catalog # AT1241a

**Specification**

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**ATP6V1B2 Antibody (monoclonal) (M02) - Product Information**

|                   |                          |
|-------------------|--------------------------|
| Application       | E                        |
| Primary Accession | <a href="#">P21281</a>   |
| Other Accession   | <a href="#">BC003100</a> |
| Reactivity        | Human                    |
| Host              | mouse                    |
| Clonality         | Monoclonal               |
| Isotype           | IgG2b Kappa              |
| Calculated MW     | 56501                    |

**ATP6V1B2 Antibody (monoclonal) (M02) - Additional Information**

Gene ID 526

**Other Names**

V-type proton ATPase subunit B, brain isoform, V-ATPase subunit B 2, Endomembrane proton pump 58 kDa subunit, HO57, Vacuolar proton pump subunit B 2, ATP6V1B2, ATP6B2, VPP3

**Target/Specificity**

ATP6V1B2 (AAH03100, 1 a.a. ~ 511 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

ATP6V1B2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

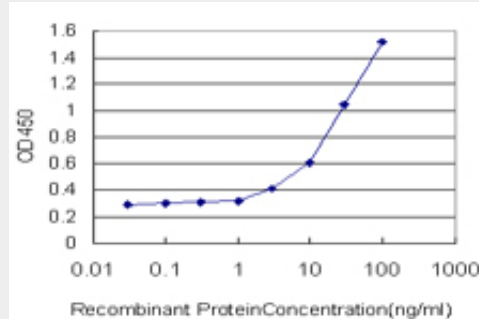
**ATP6V1B2 Antibody (monoclonal) (M02) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

### **ATP6V1B2 Antibody (monoclonal) (M02) - Images**



Detection limit for recombinant GST tagged ATP6V1B2 is approximately 0.03ng/ml as a capture antibody.

### **ATP6V1B2 Antibody (monoclonal) (M02) - 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. The protein encoded by this gene is one of two V1 domain B subunit isoforms and is the only B isoform highly expressed in osteoclasts.

### **ATP6V1B2 Antibody (monoclonal) (M02) - References**

1. The histone deacetylase inhibitor trichostatin A reduces lysosomal pH and enhances cisplatin-induced apoptosis. Eriksson I, Joosten M, Roberg K, Ollinger K. *Exp Cell Res*. 2013 Jan 1;319(1):12-20. doi: 10.1016/j.yexcr.2012.10.004. Epub 2012 Oct 12.
2. Intrinsic differences in cisplatin sensitivity of head and neck cancer cell lines: Correlation to lysosomal pH. Nilsson C, Roberg K, Grafstrom RC, Ollinger K. *Head Neck*. 2010 Sep;32(9):1185-94.