

ATP6V1B2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant ATP6V1B2.

Catalog # AT1241a

Specification

ATP6V1B2 Antibody (monoclonal) (M02) - Product Information

Application	E
Primary Accession	P21281
Other Accession	BC003100
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.

Dilution

E~~N/A

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.

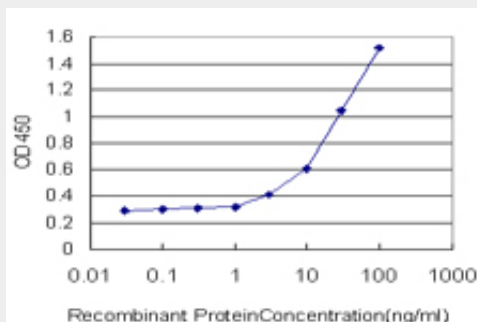
ATP6V1B2 Antibody (monoclonal) (M02) - Protocols

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.