

Anti-ATOX1 Antibody (Monoclonal, 33A31)

Catalog Number: M03421

About ATOX1

Antioxidant 1 (ATOX1) is a copper chaperone to regulate copper homeostasis in cell. In the cytosol, ATOX1 always binds to copper and transfer to ATPase proteins in the trans-Golgi network, thereby promoting copper supply to various copper-dependent oxidoreductases matured within the secretory vesicles (PMID: 28294521). Also, the protein could protect cells against oxidative damage and the expression levels of ATOX1 may help to the inflammatory response and antioxidant defense, even to modulate response to the cancer (PMID: 27472369). ATOX1 plays an important role in the physiology of the human central nervous system, and it's highly expressed in the cerebral cortex and hippocampus (PMID: 30545441). Either cytosol or nucleus location of ATOX1 has been reported in different literatures, which may be associated with cell status (PMID: 24445997; 31317143).

Overview

Product Name	Anti-ATOX1 Antibody (Monoclonal, 33A31)
Reactive Species	Human
Description	Boster Bio Anti-ATOX1 Antibody (Monoclonal, 33A31) catalog # M03421. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal 33A31
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O00244

Technical Details

Immunogen	Recombinant protein within human ATOX1 aa 3-66.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200
Immunocytochemistry/Immunofluorescence, 1:50-200
Flow Cytometry (Fixed), 1:50-200

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