

This antibody reacts

# Anti-MALT1 Rabbit Monoclonal Antibody

Catalog # ABO15812

### Specification

# Anti-MALT1 Rabbit Monoclonal Antibody - Product Information

Application	WB, IF, ICC
Primary Accession	<u>09UDY8</u>
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	
Anti-MALT1 Rabbit Monoclonal Antil	body . Tested in WB, ICC/IF applications.
with Human.	

## Anti-MALT1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 10892

**Other Names** Mucosa-associated lymphoid tissue lymphoma translocation protein 1, 3.4.22.-, MALT lymphoma-associated translocation, Paracaspase, MALT1 {ECO:0000303|PubMed:10523859, ECO:0000312|HGNC:HGNC:6819}

Calculated MW 92 kDa KDa

Application Details WB 1:500-1:2000<br>ICC/IF 1:50-1:200

**Contents** Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen A synthesized peptide derived from human MALT1

Purification Affinity-chromatography

Storage

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.

## Anti-MALT1 Rabbit Monoclonal Antibody - Protein Information



## Name MALT1 {ECO:0000303|PubMed:10523859, ECO:0000312|HGNC:HGNC:6819}

### Function

Protease that enhances BCL10-induced activation: acts via formation of CBM complexes that channel adaptive and innate immune signaling downstream of CARD domain-containing proteins (CARD9, CARD11 and CARD14) to activate NF-kappa-B and MAP kinase p38 pathways which stimulate expression of genes encoding pro-inflammatory cytokines and chemokines (PubMed:<a href="http://www.uniprot.org/citations/11262391" target=" blank">11262391</a>, PubMed:<a href="http://www.uniprot.org/citations/18264101" target="\_blank">18264101</a>, PubMed:<a href="http://www.uniprot.org/citations/24074955" target="\_blank">24074955</a>). Mediates BCL10 cleavage: MALT1-dependent BCL10 cleavage plays an important role in T-cell antigen receptor-induced integrin adhesion (PubMed:<a href="http://www.uniprot.org/citations/11262391" target=" blank">11262391</a>, PubMed:<a href="http://www.uniprot.org/citations/18264101" target=" blank">18264101</a>). Involved in the induction of T helper 17 cells (Th17) differentiation (PubMed:<a href="http://www.uniprot.org/citations/11262391" target=" blank">11262391</a>, PubMed:<a href="http://www.uniprot.org/citations/18264101" target=" blank">18264101</a>). Cleaves RC3H1 and ZC3H12A in response to T-cell receptor (TCR) stimulation which releases their cooperatively repressed targets to promote Th17 cell differentiation (By similarity). Also mediates cleavage of N4BP1 in T-cells following TCR-mediated activation, leading to N4BP1 inactivation (PubMed: <a

href="http://www.uniprot.org/citations/31133753" target="\_blank">31133753</a>). May also have ubiquitin ligase activity: binds to TRAF6, inducing TRAF6 oligomerization and activation of its ligase activity (PubMed:<a href="http://www.uniprot.org/citations/14695475" target=" blank">14695475</a>).

#### **Cellular Location**

Cytoplasm, perinuclear region. Nucleus Note=Shuttles between the nucleus and cytoplasm. Found in perinuclear structures together with BCL10.

#### **Tissue Location**

Highly expressed in peripheral blood mononuclear cells. Detected at lower levels in bone marrow, thymus and lymph node, and at very low levels in colon and lung

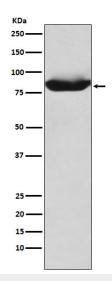
## Anti-MALT1 Rabbit Monoclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-MALT1 Rabbit Monoclonal Antibody - Images





Western blot analysis of MALT1 expression in K562 cell lysate.