

Product Name: MALT1 (17T12) Rabbit Monoclonal Antibody
Catalog #: AMRe13607

Summary

Production Name	MALT1 (17T12) Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,FC,IP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	MALT1
Alternative Names	Malt1; MLT; MLT1; Paracaspase;
Gene ID	10892.0
SwissProt ID	Q9UDY8.

Application

Dilution Ratio	WB 1:1000-1:5000,ICC/IF 1:100-1:200,FC 1:50-1:200,IP 1:50-1:100
Molecular Weight	92kDa

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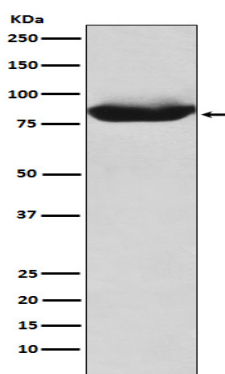
Background

Enhances BCL10-induced activation of NF-kappa-B. Involved in nuclear export of BCL10. Binds to TRAF6, inducing TRAF6 oligomerization and activation of its ligase activity. 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: [11262391](http://www.uniprot.org/citations/11262391) , PubMed: [18264101](http://www.uniprot.org/citations/18264101) , PubMed: [24074955](http://www.uniprot.org/citations/24074955)). Mediates BCL10 cleavage: MALT1-dependent BCL10 cleavage plays an important role in T-cell antigen receptor-induced integrin adhesion (PubMed: [11262391](http://www.uniprot.org/citations/11262391) , PubMed: [18264101](http://www.uniprot.org/citations/18264101)). Involved in the induction of T helper 17 cells (Th17) differentiation (PubMed: [11262391](http://www.uniprot.org/citations/11262391) , PubMed: [18264101](http://www.uniprot.org/citations/18264101)). 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: [31133753](http://www.uniprot.org/citations/31133753)). May also have ubiquitin ligase activity: binds to TRAF6, inducing TRAF6 oligomerization and activation of its ligase activity (PubMed: [14695475](http://www.uniprot.org/citations/14695475)).

Research Area

T_Cell_Receptor;B_Cell_Antigen;

Image Data



Western blot analysis of MALT1 expression in K562 cell lysate.

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Note

For research use only.