

## Rabbit MALT-1 Polyclonal Antibody | anti-MALT1 antibody

Polyclonal Antibody to MALT-1 (Paracaspase)

| CATALOG # | HOST   | REACTIVITY                | APPLICATIONS                                            |
|-----------|--------|---------------------------|---------------------------------------------------------|
| AAA78344  | Rabbit | Human<br>Predicted: Mouse | Western Blot, Immunohistochemistry, Immunoprecipitation |

### PRODUCT SYNONYMS

MALT-1; Polyclonal Antibody; Polyclonal Antibody to MALT-1 (Paracaspase); MALT1; MLT; MALT lymphoma-associated translocation; Paracaspase; Antibody to MALT-1 (Paracaspase); Anti-MALT-1 (Paracaspase) Antibody; MALT-1 (Paracaspase) Antibody; anti-MALT1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                   |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                            |
| Reactivity                                      | Human<br>Predicted: Mouse                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                        |
| Isotype                                         | IgG                                                                                                                                               |
| Purity/Purification                             | Serum                                                                                                                                             |
| Form/Format                                     | 50 ul sera                                                                                                                                        |
| Sequence Length                                 | 824                                                                                                                                               |
| Applicable Applications for anti-MALT1 antibody | WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation)                                                                           |
| Immunogen Information                           | A recombinant protein fragment of human MALT1/Paracaspase was used as immunogen for this antibody                                                 |
| Antigen                                         | MALT-1 (Paracaspase)                                                                                                                              |
| Preparation and Storage                         | Store the antibody at 4 degree C, stable for 6 months.<br>For long-term storage, store at -20 degree C.<br>Avoid repeated freeze and thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Fig: 2 Immunohistochemical analysis of MALT1/Paracaspase expression in formalin-fixed human reactive lymph node using at 1: 2000. A. Low magnification. A1-3, high magnification from A: A1, mantle zone. A2, germinal center. A3, marginal zone. Hematoxylin-eosin counterstain.



#### WB (Western Blot)

Fig: 1 Western blot analysis of MALT1/Paracaspase expression using at 1: 2000. HEK293N cells transiently transfected with control (empty) plasmid (Ctl-) or human full-length MALT1 (Ctl+) were used as negative or positive controls, respectively. Freshly isolated human polymorphonuclear neutrophils (PMN) and resting B-cells were negative. MALT1 expression was detected in SKW64, Ramos, and BJAB B-cell lymphoma lines, and 3 out of 6 B-cell chronic lymphocytic leukemia (CLL) patients.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MALT1 antibody | MALT1/Paracaspase (MALT1) was independently identified as a member of the human paracaspase family and an interacting partner of B-cell lymphoma. Human MALT1 has two isoforms, isoform a is an amino acid protein of 824 amino acids, and human MALT1 isoform b is an amino acid protein of 813 amino acids. MALT1 is a caspase-like protein that contains an N-terminal death domain, two Ig-like domains, and a C-terminal caspase-like domain. It binds to Bcl10 through its Ig-like domains and cooperates with Bcl10 to activate NF-kappaB. MALT1 is thought to play an important role in NF-kappaB signaling by enhancing NF-kappaB activation through interaction with Bcl10. Interaction between MALT1 and Bcl10 mediates IKK activation in vitro through facilitating the ubiquitination of NEMO by the ubiquitin-conjugating enzyme UBC13. Four recurrent chromosomal translocations have been described in non-Hodgkin B-cell lymphoma of the mucosa-associated lymphoid tissue (MALT) type. Translocations involving Bcl10 and MALT1 may lead to elevated NF-kappaB activity in MALT B-cell lymphoma. Two alternatively spliced transcript variants encoding different isoforms and have been described for the MALT1 gene. |
| Product Categories/Family for anti-MALT1 antibody   | Antibodies; Apoptosis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GI #                        | 20455075                                                           |
| NCBI GeneID                      | 10892                                                              |
| UniProt Accession #              | Q9UDY8; Q9NTB7; Q9ULX4                                             |
| Molecular Weight                 | 91,081 Da                                                          |
| NCBI Official Full Name          | Mucosa-associated lymphoid tissue lymphoma translocation protein 1 |
| NCBI Official Synonym Full Names | MALT1 paracaspase                                                  |
| NCBI Official Symbol             | MALT1                                                              |
| NCBI Official Synonym Symbols    | MLT; MLT1; IMD12; PCASP1                                           |
| NCBI Protein Information         | mucosa-associated lymphoid tissue lymphoma translocation protein 1 |
| UniProt Protein Name             | Mucosa-associated lymphoid tissue lymphoma translocation protein 1 |
| UniProt Gene Name                | MALT1                                                              |
| UniProt Synonym Gene Names       | MLT                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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