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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-CQ0

# MALT1 Antibody

## Overview

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| **Description:** | Anti-MALT1 (RABBIT) Antibody - 600-401-CQ0 |
| **Item No.:** | 600-401-CQ0 |
| **Size:** | 100 µg |
| **Applications:** | ELISA, IF, IHC, WB |
| **Reactivity:** | Human, Mouse, Rat |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | MALT1 was initially identified as a novel gene that was recurrently rearranged in t(11;18)(q21;q21) mucosa-associated lymphoid tissue lymphomas along with the apoptosis inhibitor protein c-IAP2 (1). MALT1, along with the proteins CARMA1 and Bcl10 form an NF-kappaB-activating complex, termed the CBM signalsome, that acts downstream of lymphocyte antigen receptors as well as many other non-lymphoid cell-surface receptors that play a role in multiple cellular functions (2,3). MALT1 has proteolytic activity, and this activity is critical for full NF-kappaB response in T cell activation (4). |
| **Synonyms:** | Mucosa associated lymphoid tissue lymphoma translocation 1, IMD12, MLT, MLT1 |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | MALT1 |
| **Reactivity:** | Human, Mouse, Rat |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | Anti-MALT1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human MALT1. |

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| **Purity/Specificity:** | Anti-MALT1 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. MALT1 antibody is human, mouse and rat reactive. At least two isoforms of MALT1 are known to exist; this antibody will detect both isoforms. |
| **Relevant Links:** | • UniProtKB - Q9UDY8<br>• GeneID - 10892<br>• NCBI - NP_006776 |

## Application Details

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| **Tested Applications:** | ELISA, IF, IHC, WB |
| **Application Note:** | Anti-MALT1 Antibody has been tested for use in ELISA, immunohistochemistry, immunofluorescence, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 92 kDa in Western Blots of specific cell lysates and tissues. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:10,000 - 1:20,000 |
| **IF:** | 20 µg/mL |
| **IHC:** | 5 µg/mL |
| **WB:** | 1-2 mg/mL |

## Formulation

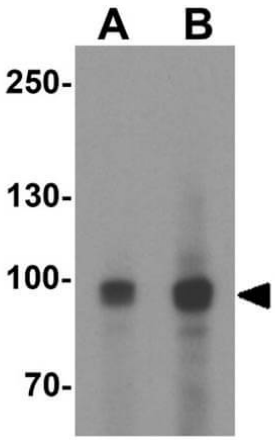
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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1 mg/mL by UV absorbance at 280 nm |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.02% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

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| **Shipping Condition:** | Dry Ice |

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| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Images




**Western Blot**
Western Blot of Rabbit Anti-MALT1 antibody. Load: EL4 Lysate. Primary Antibody: Anti-MALT1 in Lane 1 at 1µg/mL; Lane 2 at 2µg/mL overnight at 4°C. Secondary Antibody: Goat anti-Rabbit HRP 611-103-122 at 1:70000 at RT for 30 min. Blocking: MB-073 BlockOut buffer. Expect: ~91kDa.

## Disclaimer

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