

Rabbit MALT1 Polyclonal Antibody | anti-MALT1 antibody

MALT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326626	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MALT1; Polyclonal Antibody; MALT1 Antibody; Caspase like protein; DKFZp434L132; IMD12; MALT 1; MALT associated translocation; MALT lymphoma associated translocation; MALT lymphoma-associated translocation; Malt1; MALT1 paracaspase; MALT1_HUMAN; MLT 1; MLT; MLT1; Mucosa associated lymphoid tissue lymphoma translocation gene 1; Mucosa associated lymphoid tissue lymphoma translocation protein 1; Mucosa-associated lymphoid tissue lymphoma translocation protein 1; Paracaspase; Paracaspase-1; PCASP1; anti-MALT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MALT1 antibody detects endogenous levels of total MALT1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	824
Applicable Applications for anti-MALT1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MALT1
Subcellular Location	Cytoplasm > Perinuclear Region. Nucleus. Shuttles between the nucleus and cytoplasm. Found in perinuclear structures together with BCL10.
Tissue Specificity	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.
Predicted Cross Reactivity	Pig, Horse, Dog
Similarity	Pig (82%), Horse (83%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326626 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326626 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of hela, using MALT1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MALT1 antibody

Description: Mucosa-associated lymphoid tissue translocation gene 1 (MALT1) is a paracaspase that is a critical mediator of T-cell receptor activation of NF-kappaB and may contribute to the progression of MALT lymphomas (1-4). It contains two immunoglobulin-like domains, an amino-terminal death domain and a carboxy-terminal caspase-like domain. Association of MALT1 with Bcl-10 and CARD11/Carma1 leads to activation of IKK and subsequent stimulation of NF-kappaB, resulting in increased proliferation and inhibition of apoptosis (5, 6). A common translocation in MALT B-cell non-Hodgkin lymphomas t(11; 18)(q21; q21) results in the fusion of the amino terminus of API2 (c-IAP2), a member of the inhibitor of apoptosis protein family, to the carboxy terminus of MALT1 (1, 2). The API2-MALT1 fusion protein likely leads to deregulation of NF-kappaB, contributing to increased oncogenic potential (7).

Function: 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. Has ubiquitin ligase activity. MALT1-dependent BCL10 cleavage plays an important role in T-cell antigen receptor-induced integrin adhesion.

Subunit Structure: Binds through its Ig-like domains to BCL10. Forms oligomers which bind to TRAF6 (PubMed:15125833). Forms a complex with CARD14 and BCL10; resulting in the formation of a CBM (CARD14-BCL10-MALT1) complex (PubMed:27113748). Interacts with BCL10; as part of a CBM (CARD11-BCL10-MALT1) complex involved in NF-kappa-B activation (PubMed:28628108).

Similarity: Belongs to the peptidase C14B family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803078
NCBI GeneID	10892
NCBI Accession #	NP_006776.1
NCBI GenBank Nucleotide #	NM_006785.4
UniProt Accession #	Q9UDY8; Q9NTB7; Q9ULX4
Molecular Weight	Observed: 92 kDa Predicted: 93 kDa
NCBI Official Full Name	mucosa-associated lymphoid tissue lymphoma translocation protein 1 isoform a
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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