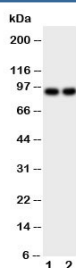


MALT1 Antibody (R31020)

Catalog No.	Formulation	Size
R31020	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9UDY8
Applications	Western Blot : 0.5-1ug/ml
Limitations	This MALT1 antibody is available for research use only.



Western blot testing with Malt1 antibody; Lane 1: MCF-7; 2: HeLa cell lysate. Expected molecular weight ~92 kDa.

Description

Mucosa-associated lymphoid tissue lymphoma translocation protein 1, also called MLT or Paracaspase, is a protein that in humans is encoded by the MALT1 gene. This gene has been found to be recurrently rearranged in chromosomal translocation with two other genes - baculoviral IAP repeat-containing protein 3(also known as apoptosis inhibitor 2) and immunoglobulin heavy chain locus - in mucosa-associated lymphoid tissue lymphomas. Dierlamm et al.(1999) and Akagi et al.(1999) mapped the gene to chromosome 18q21. Using mouse models, Ruland et al.(2003) demonstrated that MALT1 is essential for T-cell activation, proliferation, and IL2 production in response to T-cell receptor ligation and strictly required for signal-specific NF-kappa-B(NFkB) activation induced by the T-cell receptor but not TNF-alpha or IL1 signaling. MALT1 operates downstream of BCL10, controls the catalytic activity of the canonical I-kappa-B kinase

complex, and regulates the signaling of JNK and p38 MAP kinases.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the MALT1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human MALT1 (DEIPFSFSDRLRISEK) was used as the immunogen for this MALT1 antibody.

Storage

After reconstitution, the MALT1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.