

MALT1

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW: 92kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human MALT1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

1mg/ml

Synonym:

DKFZp434L132; MLT; MLT1;

Catalog #: A2144

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10892

Isotype: IgG

Swiss Prot: Q9UDY8

Purity: Affinity purification

For research use only.

Background:

Mucosa-associated lymphoid tissue translocation gene 1 (MALT1) is a paracaspase that is a critical mediator of T-cell receptor activation of NF- κ B 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- κ B, 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- κ B, contributing to increased oncogenic potential (7).

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