

## Product datasheet for **TA321789**

### **MALT1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 125-450 amino acids of human mucosa associated lymphoid tissue lymphoma translocation gene 1
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	92 kDa
Gene Name:	MALT1 paracaspase
Database Link:	<a href="#">NP_006776</a> <a href="#">Entrez Gene 240354 MouseEntrez Gene 307366 RatEntrez Gene 10892 Human Q9UDY8</a>



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**Background:**

Mucosa-associated lymphoid tissue translocation gene 1 (MALT1) is a paracaspase that is a critical mediator of T-cell receptor activation of NF- $\kappa$ B and may contribute to the progression of MALT lymphomas. 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- $\kappa$ B, resulting in increased proliferation and inhibition of apoptosis. 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. The API2-MALT1 fusion protein likely leads to deregulation of NF- $\kappa$ B, contributing to increased oncogenic potential.

**Synonyms:**

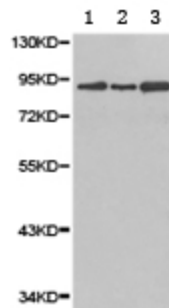
IMD12; MLT; MLT1

**Protein Families:**

Druggable Genome, Protease

**Protein Pathways:**

B cell receptor signaling pathway, T cell receptor signaling pathway

**Product images:**

Predicted band size: 92 kDa. Positive control: Jurkat and K562 cell, bone marrow tissue lysate. Recommended dilution: 1/500-2000. (Gel: 8%SDS-PAGE Lane 1: Jurkat cell lysate Lane 2: K562 cell lysate Lane 3: Bone marrow tissue lysate Lysates: 40 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)