

## Anti-MALT1/MLT Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

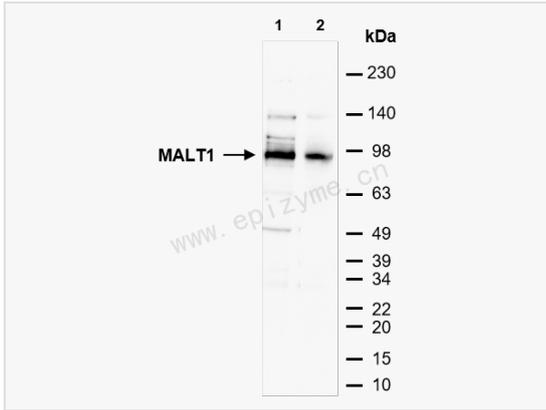
Catalog # R014747

### Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	67S48H67
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human MALT1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-MALT1/MLT Rabbit mAb [67S48H67] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	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.
Calculated MW	Calculated MW: 92 kDa; Observed MW: 92 kDa
Uniprot ID	Q9UDY8
Gene ID	10892
Background	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.
Cellular Location	Cytoplasm > perinuclear region. Nucleus. Shuttles between the nucleus and cytoplasm. Found in perinuclear structures together with BCL10.
Tissue Location	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.



Western Blot - Anti-MALT1/MLT Rabbit mAb [67S48H67]

All lanes: R014747 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates

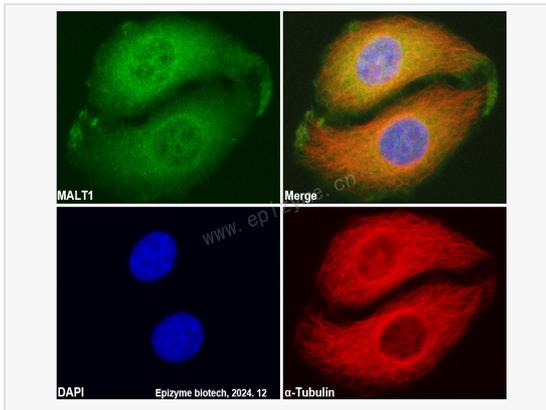
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 92 kDa

Observed band size: 92 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-MALT1/MLT Rabbit mAb [67S48H67]

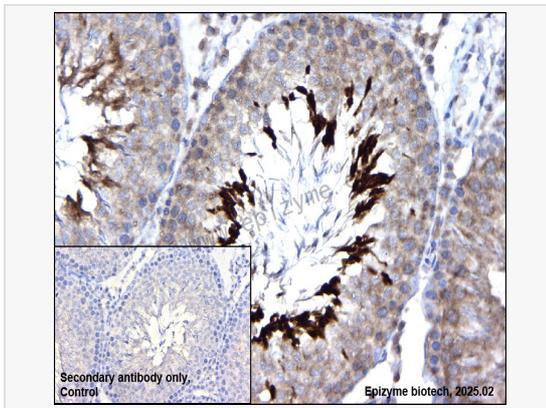
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014747 at 1:100 dilution and alpha-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-MALT1/MLT Rabbit mAb [67S48H67]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

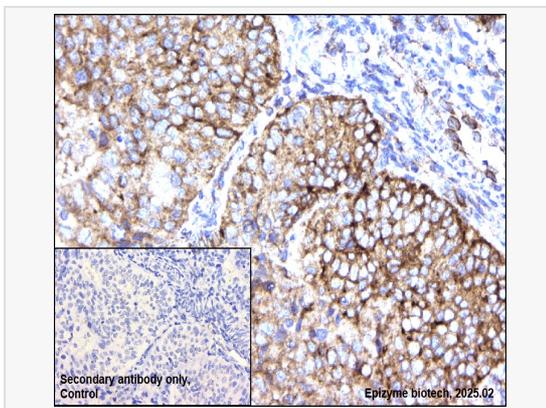
Primary antibody: R014747 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-MALT1/MLT Rabbit mAb [67S48H67]

Sample: Paraformaldehyde-fixed, paraffin embedded human endometrial carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

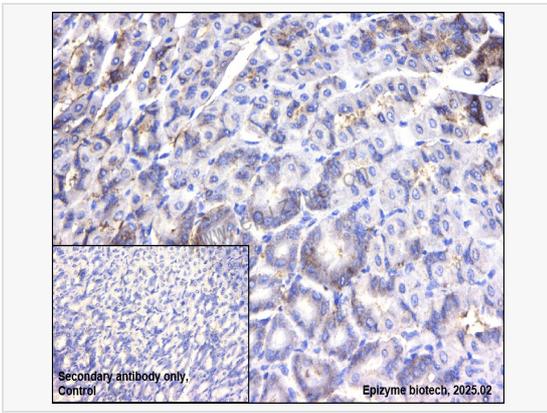
Primary antibody: R014747 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-MALT1/MLT Rabbit mAb [67S48H67]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse stomach tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014747 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.