MALT1

CONTACT INFORMATION:	Monoclonal Antibodies Unit. Centro Nacional de Investigaciones Oncológicas
STATUS:	Validated
TYPE:	mouse monoclonal
CLONE NAME:	RON169A
PROTEIN:	Mucosa-associated lymphoid tissue lymphoma translocation protein 1
PROTEIN WEB:	https://www.uniprot.org/uniprot/Q9UDY8
ANTIGEN USED:	pCDNA3-MALT1-Flag plasmid vector
FUSION PARTNER:	NS1/Ag4-1 (NS1) cells
ISOTYPE:	IgG1
SPECIES REACTIVITY:	Human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze

DESCRIPTION

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. Involved in the induction of T helper 17 cells (Th17) differentiation. Cleaves RC3H1 and ZC3H12A in response to T-cell receptor (TCR) stimulation which releases their cooperatively repressed targets to promote Th17 cell differentiation.

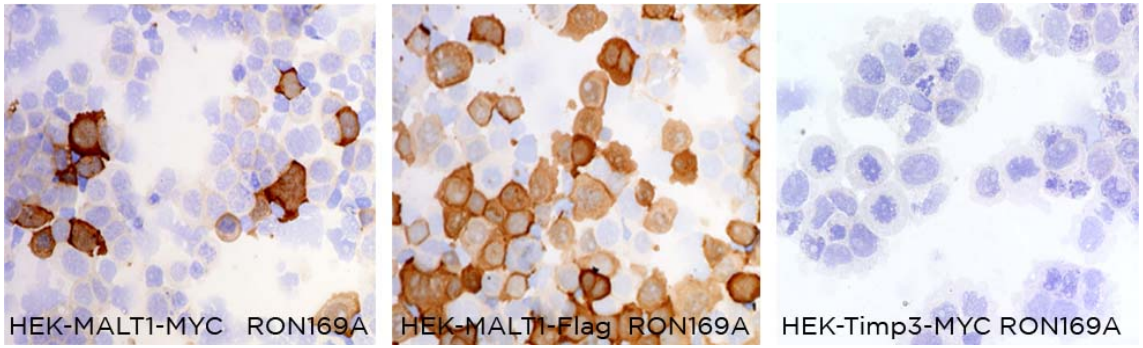
PUBLICATION DESCRIBING ANTIBODY CHARACTERIZATION/VALIDATION

Maestre L, Fontan L, Martinez-Climent JA, Garcia JF, Cigudosa JC, Roncador G. Generation of a new monoclonal antibody against MALT1 by genetic immunization. Hybridoma (Larchmt). 2007 Apr; 26 (2):86-91.

APPLICATIONS

IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species

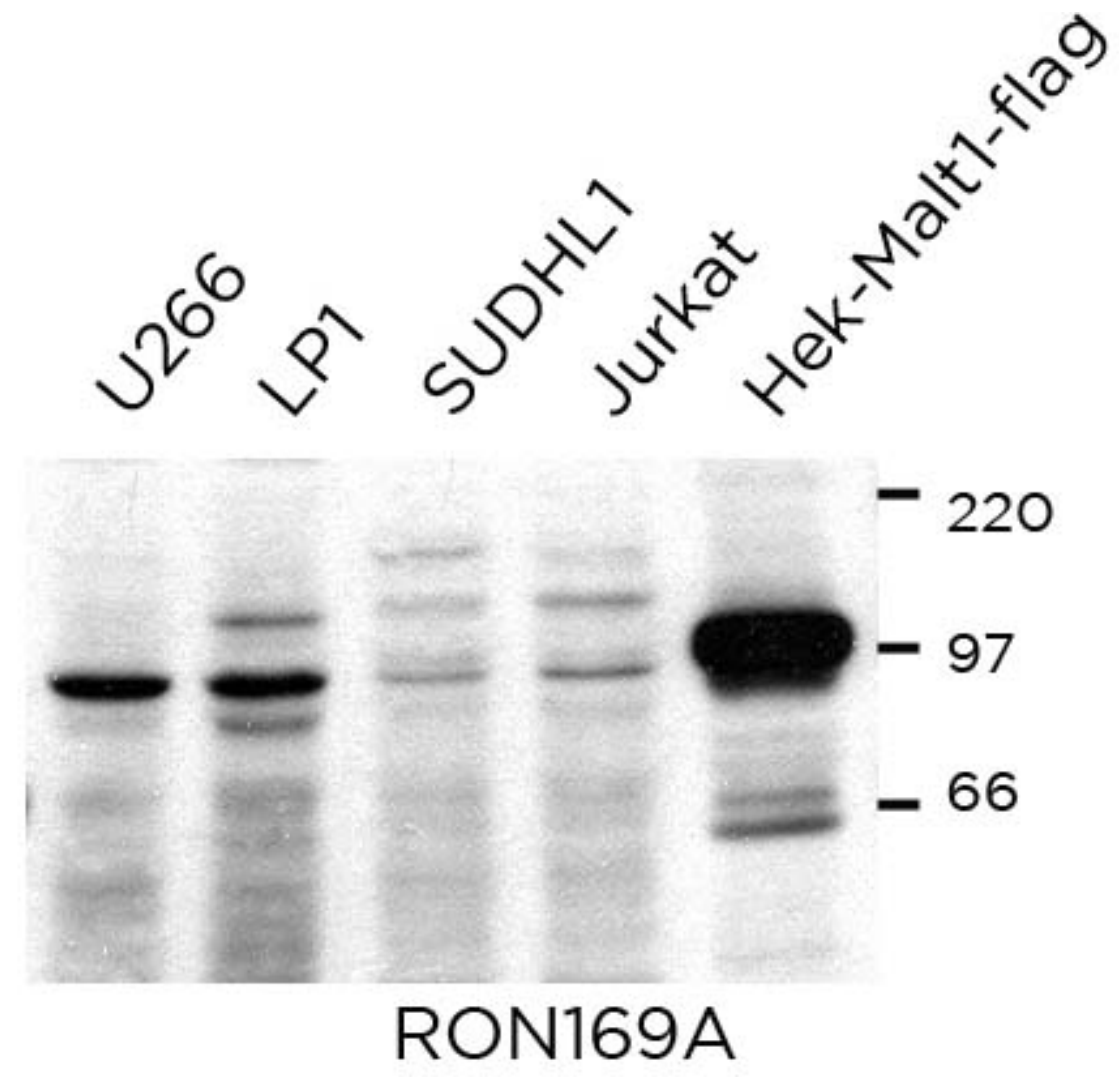
Frozen tissue and cytospins									
Recommended	RON169A	Neat	supernatant						
Paraffin tissue									
Immunofluorescence									



RON169A is able to detect human MALT1 protein in immunocytochemistry

To confirm that RON169A mAb recognizes human MALT1 protein, immunocytochemistry on frozen cytospin preparations of human MALT1 expressed in HEK293T was performed. Cytospin preparation of myc tagged human Timp3 protein was used as a negative control.

WB Techniques	Clone	Dilution	Antibody concentration	Positive control	Negative control	Expected MW	Observed Mw	Positivity in other species
Western Blotting								
Recommended	RON169A	Neat	supernatant	U266 cell line		90kDa	90kDa	
Immunoprecipitation								



RON169A mAb is able to detect human MALT1 protein by WB.
LANES

Lane 1 U266 cell line (100ug) (+)

Lane 2 LP1 cell line (100ug) (+)

Lane 3 SUDHL1 cell line (100ug) (+)

Lane 4 Jurkat cell line (100ug) (+)

Lane 5 Hek-Malt1-flag (100ug) (+)