Best Tools for immunology Research

MALT1 Polyclonal Antibody

Catalog No :	YT2630
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	MALT1
Fields :	>>NF-kappa B signaling pathway;>>C-type lectin receptor signaling pathway;>>T cell receptor signaling pathway;>>B cell receptor signaling pathway;>>Shigellosis;>>Tuberculosis
Gene Name :	MALT1
Protein Name :	Mucosa-associated lymphoid tissue lymphoma translocation protein 1
Human Gene Id :	10892
Human Swiss Prot No :	Q9UDY8
Mouse Gene Id :	240354
Mouse Swiss Prot No :	Q2TBA3
Immunogen :	The antiserum was produced against synthesized peptide derived from human MALT1. AA range:301-350
Specificity :	MALT1 Polyclonal Antibody detects endogenous levels of MALT1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 90kD

Cell Pathway : T_Cell_Receptor;B_Cell_Antigen;

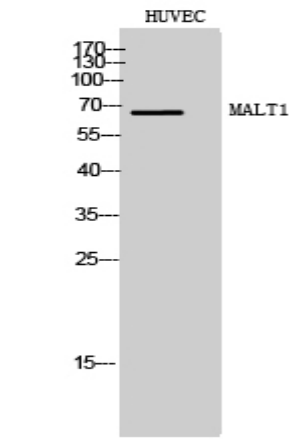
Background : This gene has been found to be recurrently rearranged in chromosomal translocation with two other genes - baculoviral IAP repeat-containing protein 3 (also known as apoptosis inhibitor 2) and immunoglobulin heavy chain locus - in mucosa-associated lymphoid tissue lymphomas. The protein encoded by this gene may play a role in NF-kappaB activation. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008],

Function : disease:A chromosomal aberration involving MALT1 is recurrent in low-grade mucosa-associated lymphoid tissue (MALT lymphoma). Translocation t(11;18)(q21;q21) with BIRC2. This translocation is found in approximately 50% of cytogenetically abnormal low-grade MALT lymphoma.,function: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 BCL-10 cleavage plays an important role in T-cell antigen receptor-induced integrin adhesion.,similarity:Belongs to the peptidase C14B family.,similarity:Contains 1 death domain.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Shuttles between the nucleus and cytoplasm. Found in perinuclear structures together with BCL10.,subunit:Binds through its Ig-like

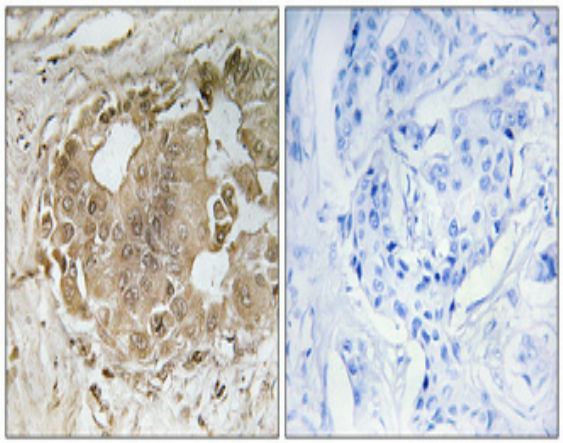
Subcellular Location : Cytoplasm, perinuclear region . Nucleus . Shuttles between the nucleus and cytoplasm. Found in perinuclear structures together with BCL10. .

Expression : 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.

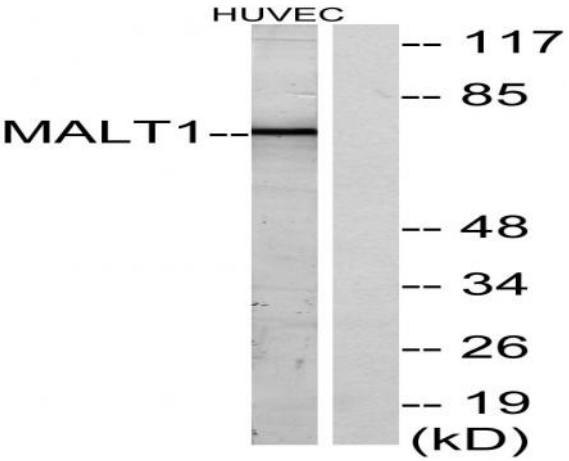
Products Images



Western Blot analysis of HUVEC cells using MALT1 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from HUVEC cells, using MALT1 Antibody. The lane on the right is blocked with the synthesized peptide.