For Research Use Only

MALT1 Monoclonal antibody

Catalog Number:66225-1-Ig 1 Publications

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Basic Information

Catalog Number:
66225-1-Ig

Size:
150ul , Concentration: 1800 ug/ml by Nanodrop and 960 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG20632

GenBank Accession Number:
BC030143

GeneID (NCBI):
10892

UNIPROT ID:
Q9UDY8

Full Name:
mucosa associated lymphoid tissue lymphoma translocation gene 1

Calculated MW:
824 aa, 92 kDa

Observed MW:
92-100 kDa

Purification Method:
Protein A purification

CloneNo.:
4D3F6

Recommended Dilutions:
WB 1:500-1:2000
IHC 1:50-1:500
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
IHC

Species Specificity:
human

Cited Species:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, Jurkat cells, K-562 cells

IHC : human lymphoma tissue,

IF/ICC : HeLa cells,

Background Information

Mucosa-associated lymphoid tissue lymphoma translocation protein 1 belongs to caspase-like protein superfamily.MALT1 plays a potential role in the regulation of apoptosis and induces NFKB activation and required for the normal development of B cells and for the activation of the IKK complex.It acts as a caspase and mediates additional functions related to T cell activation, cleaving both the ubiquitin editing enzyme,TNFAIP3,and the C terminus of BCL10 .It has two isoforms.Researches showed that inhibition of MALT1 blocks A20 and BCL10 cleavage, reduces NFKB activity, and decreases the expression of NFKB targets BCLXL.

Notable Publications

Author	Pubmed ID	Journal	Application
Rui Qian	35309901	Front Cell Dev Biol	IHC

Storage

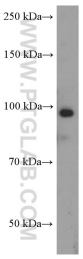
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

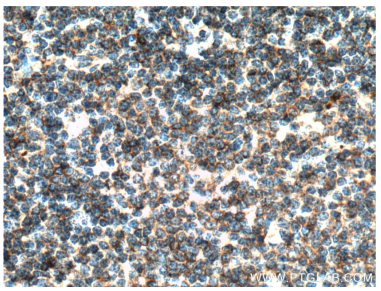
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

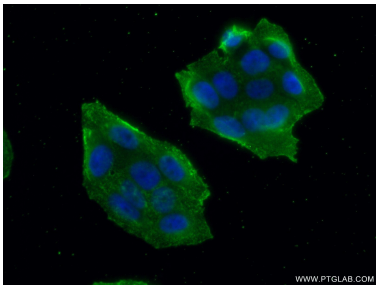


HeLa cells were subjected to SDS PAGE followed by western blot with 66225-1-Ig (MALT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66225-1-Ig (MALT1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66225-1-Ig (MALT1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 66225-1-Ig(MALT1 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).