

MCL1 Rabbit mAb

Catalog No: #48741

Package Size: #48741-1 50ul #48741-2 100ul



SAB[®]
Signalway Antibody

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

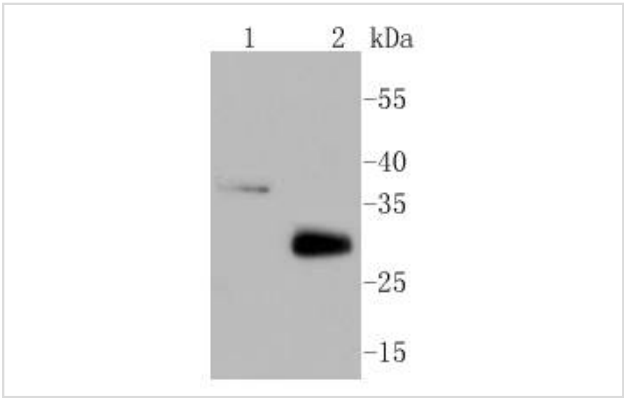
Description

Product Name	MCL1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SI16-04
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	Bcl 2 related protein EAT/mcl1 antibody Bcl-2-like protein 3 antibody Bcl-2-related protein EAT/mcl1 antibody BCL2 related antibody Bcl2-L-3 antibody BCL2L3 antibody EAT antibody Induced myeloid leukemia cell differentiation protein Mcl 1 antibody Induced myeloid leukemia cell differentiation protein Mcl-1 antibody MCL 1 antibody MCL1 antibody MCL1-ES antibody mcl1/EAT antibody MCL1_HUMAN antibody MCL1L antibody MCL1S antibody MGC104264 antibody MGC1839 antibody Myeloid Cell Leukemia 1 antibody Myeloid cell leukemia ES antibody Myeloid cell leukemia sequence 1 antibody Myeloid cell leukemia sequence 1 BCL2 related antibody Myeloid cell leukemia sequence 1 isoform 1 antibody OTTHUMP00000032794 antibody OTTHUMP00000032795 antibody TM antibody
Accession No.	Swiss-Prot#:Q07820
Calculated MW	37/29 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

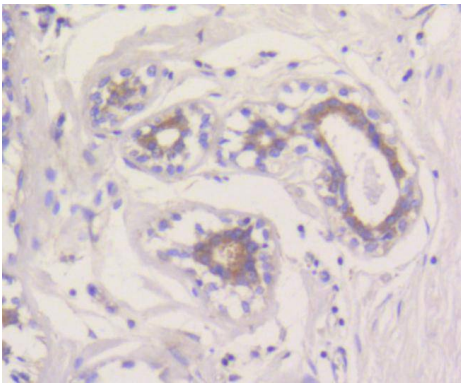
Application Details

WB: 1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

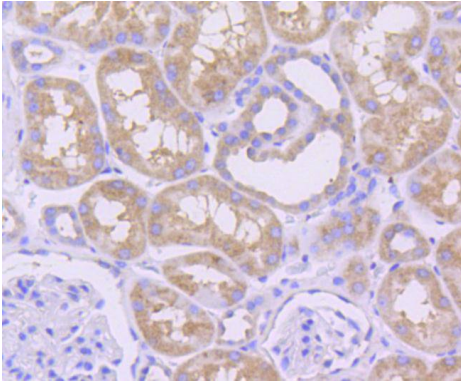
Images



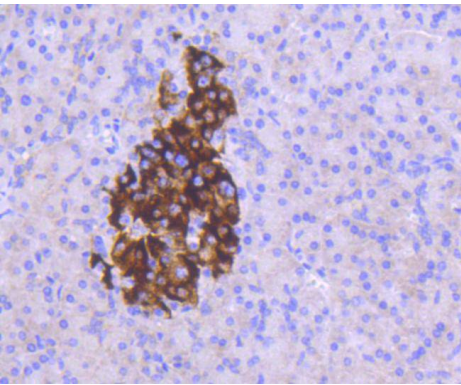
Western blot analysis of MCL1 on different lysates using anti-MCL1 antibody at 1/1,000 dilution. Positive control:
Lane 1: Raji
Lane 2: Mouse heart



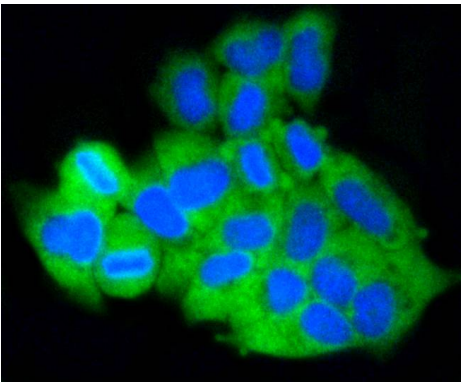
Immunohistochemical analysis of paraffin-embedded human breast tissue using anti-MCL1 antibody. Counter stained with hematoxylin.



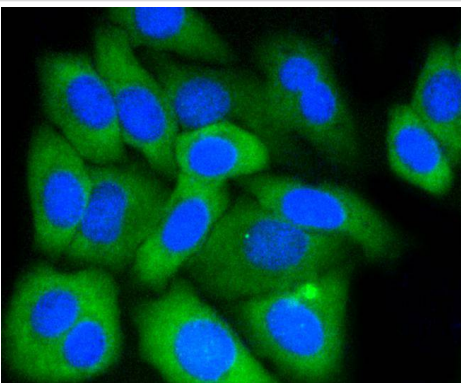
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-MCL1 antibody. Counter stained with hematoxylin.



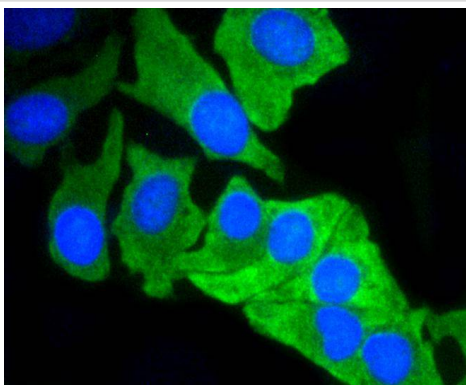
Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-MCL1 antibody. Counter stained with hematoxylin.



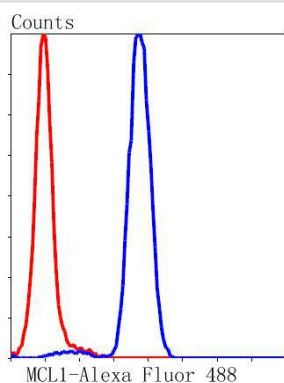
ICC staining MCL1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MCL1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining MCL1 in BT-20 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with MCL1 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

B-cell CLL/lymphoma 2 (Bcl-2) blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal. Myeloid cell leukemia 1 (Mcl-1) shares sequence homology with Bcl-2 and further resembles Bcl-2 in that its expression promotes cell viability. p53 and Mcl-1 demonstrate opposing effects on mitochondrial apoptosis by mediating Bcl-2 antagonist killer (Bak) activity. Mcl-1 is an important and specific regulator that is necessary for the homeostasis of early hematopoietic progenitors. Glycogen synthase kinase 3 (GSK3) controls Mcl-1 stability, which has an effect on the regulation of apoptosis by growth factors, PI 3-kinase and AKT. Mice with a deficiency of the Mcl-1 protein show a significant reduction in B and T lymphocytes similar to the effects observed in IL-7- or IL-7R-deficient mice.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.