

MCL1 Rabbit mAb**Catalog No.: A30052****Recombinant****Basic Information****Observed MW**

40 kDa(Human)/35 kDa(Rodent)

Calculated MW

35 kDa/31 kDa

Category

Monoclonal Antibodies

Applications

WB, IP, IF-F, ELISA

Cross Reactivity

Human, Mouse, Rat

Clone No.

ARC4014

Background

Enables BH3 domain binding activity. Involved in extrinsic apoptotic signaling pathway in absence of ligand; negative regulation of apoptotic process; and positive regulation of oxidative stress-induced neuron intrinsic apoptotic signaling pathway. Acts upstream of or within apoptotic mitochondrial changes and intrinsic apoptotic signaling pathway in response to DNA damage. Located in several cellular components, including cytosol; mitochondrion; and nucleus. Is expressed in several structures, including alimentary system; blastocyst; central nervous system; genitourinary system; and hemolymphoid system gland. Human ortholog(s) of this gene implicated in colorectal cancer; lung adenocarcinoma; lung cancer; and lung non-small cell carcinoma. Orthologous to human MCL1 (MCL1 apoptosis regulator, BCL2 family member).

Recommended Dilutions**WB** 1:20000 - 1:100000**IP**

0.3 µg - 2 µg antibody for 200 µg - 400 µg extracts of whole cells

IF-F 1:2000 - 1:12000**ELISA**

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information**Gene ID**

17210

Swiss-Prot

P97287

Immunogen

This information is considered to be commercially sensitive.

Synonyms

Mcl-1; Gm52627

Contact
 | 400-999-6126

 | cn.market@abclonal.com.cn
 | www.abclonal.com.cn
Product Information**Source**

Rabbit

Isotype

IgG

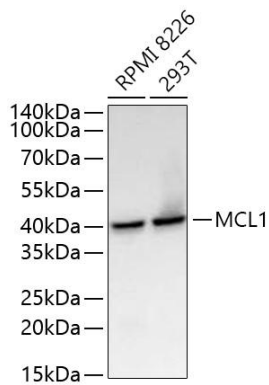
Purity

Affinity purification

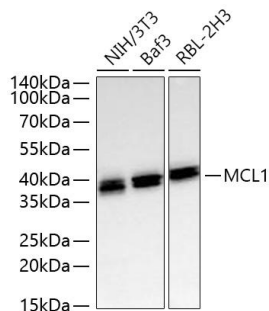
Storage

Store at -20°C

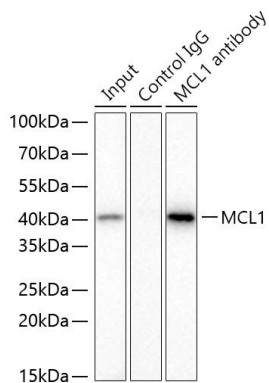
Validation Data



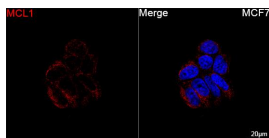
Western blot analysis of various lysates using MCL1 Rabbit mAb (A30052) at 1:60000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 5 s.



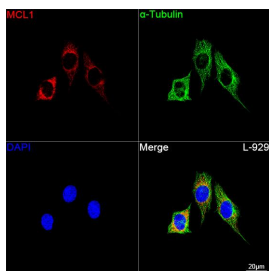
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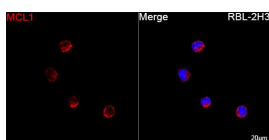
Immunoprecipitation of MCL1 from 300 µg extracts of MCF7 cells was performed using 0.3 µg of MCL1 Rabbit mAb (A30052). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using MCL1 Rabbit mAb (A30052) at a dilution of 1:20000.



Confocal imaging of MCF7 cells using MCL1 Rabbit mAb (A30052, dilution 1:11000) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of L-929 cells using MCL1 Rabbit mAb (A30052, dilution 1:11000) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of RBL-2H3 cells using MCL1 Rabbit mAb (A30052, dilution 1:11000) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.