

## ARG63553 anti-MCL1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes MCL1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	WB
Specificity	This antibody is expected to recognise reported isoform 1 (NP_068779.1) and isoform 3 (NP_001184249.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	MCL1
Species	Human
Immunogen	C-AGVGAGLAYLIR
Conjugation	Un-conjugated
Alternate Names	Bcl-2-related protein EAT/mcl1; BCL2L3; MCL1S; Induced myeloid leukemia cell differentiation protein Mcl-1; MCL1-ES; mcl1/EAT; Bcl-2-like protein 3; EAT; Mcl-1; bcl2-L-3; Bcl2-L-3; MCL1L; TM

### Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml

**Application Note** WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Database links

[GeneID: 4170 Human](#)

[Swiss-port # Q07820 Human](#)

Background

This gene encodes an anti-apoptotic protein, which is a member of the Bcl-2 family. Alternative splicing results in multiple transcript variants. The longest gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene products (isoform 2 and isoform 3) promote apoptosis and are death-inducing. [provided by RefSeq, Oct 2010]

Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody

Calculated Mw

37 kDa

PTM

Cleaved by CASP3 during apoptosis. In intact cells cleavage occurs preferentially after Asp-127, yielding a pro-apoptotic 28 kDa C-terminal fragment.  
Rapidly degraded in the absence of phosphorylation on Thr-163 in the PEST region.  
Phosphorylated on Ser-159, by GSK3, in response to IL3/interleukin-3 withdrawal. Phosphorylation at Ser-159 induces ubiquitination and proteasomal degradation, abrogating the anti-apoptotic activity.  
Treatment with taxol or okadaic acid induces phosphorylation on additional sites.  
Ubiquitinated. Ubiquitination is induced by phosphorylation at Ser-159.

## Images

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ARG63553 anti-MCL1 antibody WB image

Western blot: 35 µg of Human Lung lysate stained with ARG63553 anti-MCL1 antibody at 1 µg/ml dilution.