

Rabbit MCL1 Polyclonal Antibody | anti-MCL1 antibody

MCL1 Antibody (BH3 Domain Specific)

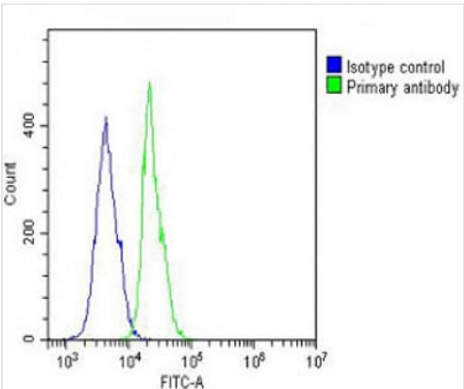
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286196	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

MCL1; Polyclonal Antibody; MCL1 Antibody (BH3 Domain Specific); Induced myeloid leukemia cell differentiation protein Mcl-1; Bcl-2-like protein 3; Bcl2-L-3; Bcl-2-related protein EAT/mcl1; mcl1/EAT; BCL2L3; anti-MCL1 antibody

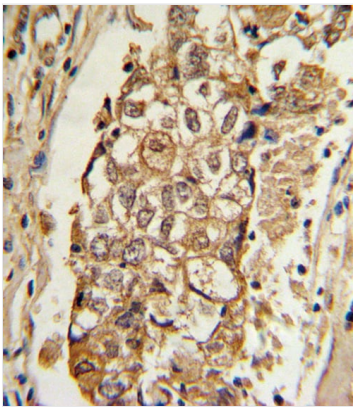
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MCL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 191-226 amino acids from human MCL1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 1.6 (varies by lot)
Sequence Positions	191-226
Sequence Length	271
Applicable Applications for anti-MCL1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



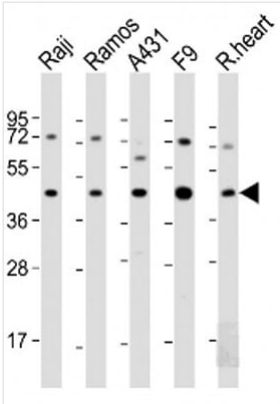
Application Data

Overlay histogram showing A431 cells stained with AP1312a (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP1312a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1?g/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.



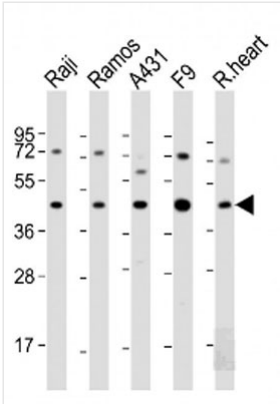
IHC (Immunohistochemisry)

Formalin-fixed and paraffin-embedded human breast carcinoma with MCL1 Antibody (BH3 Domain Specific), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

All lanes : Anti-MCL1 Antibody (BH3 Domain Specific) at 1:2000 dilution Lane 1: Raji whole cell lysate Lane 2: Ramos whole cell lysate Lane 3: A431 whole cell lysate Lane 4: F9 whole cell lysate Lane 5: rat heart lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



WB (Western Blot)

All lanes : Anti-MCL1 Antibody (BH3 Domain Specific) at 1:2000 dilution Lane 1: Raji whole cell lysate Lane 2: Ramos whole cell lysate Lane 3: A431 whole cell lysate Lane 4: F9 whole cell lysate Lane 5: A20 whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MCL1 antibody	The Mcl-1 protein belongs to the Bcl-2 family. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. The longer gene product (isoform 1) enhances cell survival by inhibiting apoptosis while the alternatively spliced shorter gene product (isoform 2) promotes apoptosis and is death-inducing.
Product Categories/Family for anti-MCL1 antibody	Cancer; Cell Biology; Metabolism
References	Crossley, L.J., J. Leukoc. Biol. 74(4):583-592 (2003). Kotelkin, A., et al., J. Virol. 77(17):9156-9172 (2003). Erwert, R.D., et al., Microb. Pathog. 35(2):87-93 (2003). Liu, H., et al., Blood 102(1):344-352 (2003). Nijhawan, D., et al., Genes Dev. 17(12):1475-1486 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	309747067
NCBI GeneID	4170
NCBI Accession #	NP_001184249.1; NP_068779.1; NP_877495.1
NCBI GenBank Nucleotide #	NM_001197320.1
UniProt Accession #	Q07820; Q9HD91; Q9NRQ3; Q9NRQ4; Q9UHR7; Q9UHR8; Q9UHR9; Q9UNJ1; B2R6B2; D3DV03; D3DV04
Molecular Weight	37337
NCBI Official Full Name	induced myeloid leukemia cell differentiation protein Mcl-1 isoform 3
NCBI Official Synonym Full Names	myeloid cell leukemia 1
NCBI Official Symbol	MCL1
NCBI Official Synonym Symbols	TM; EAT; MCL1L; MCL1S; Mcl-1; BCL2L3; MCL1-ES; bcl2-L-3; mcl1/EAT
NCBI Protein Information	induced myeloid leukemia cell differentiation protein Mcl-1
UniProt Protein Name	Induced myeloid leukemia cell differentiation protein Mcl-1
UniProt Gene Name	MCL1
UniProt Synonym Gene Names	BCL2L3; Bcl2-L-3
UniProt Entry Name	MCL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/mcl1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/286196>