

Product datasheet

Anti-MCL1 antibody ab25956

3 Images

Overview

Product name	Anti-MCL1 antibody
Description	Rabbit polyclonal to MCL1
Specificity	ab25956 recognises Myeloid cell leukemia-1 (Mcl-1).
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide, corresponding to 16 N terminal amino acids of Human MCL1 (GenBank accession no. NP_068779).
Positive control	Raji cell lysates

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: PBS
Purity	IgG fraction
Purification notes	Purified by ion exchange chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab25956** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 37 kDa).

Target

Function

Involved in the regulation of apoptosis versus cell survival, and in the maintenance of viability but not of proliferation. Mediates its effects by interactions with a number of other regulators of apoptosis. Isoform 1 inhibits apoptosis. Isoform 2 promotes apoptosis.

Sequence similarities

Belongs to the Bcl-2 family.

Post-translational modifications

Cleaved by CASP3 during apoptosis. In intact cells cleavage occurs preferentially after Asp-127, yielding a pro-apoptotic 28 kDa C-terminal fragment.

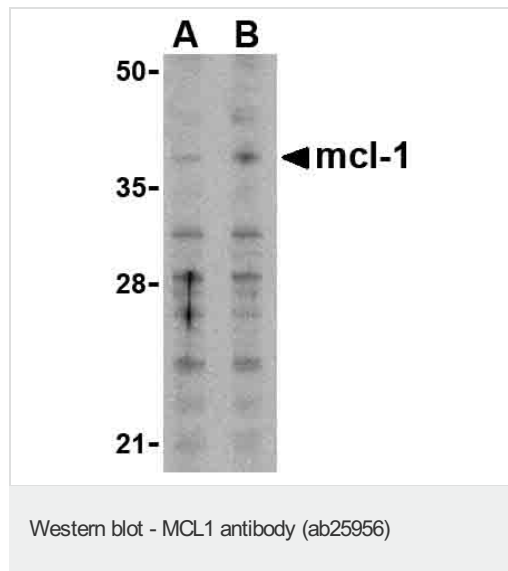
Rapidly degraded in the absence of phosphorylation on Thr-163 in the PEST region.

Phosphorylated on Thr-163. Treatment with taxol or okadaic acid induces phosphorylation on additional sites.

Cellular localization

Membrane. Cytoplasm. Mitochondrion. Nucleus > nucleoplasm. Cytoplasmic, associated with mitochondria.

Images



Predicted band size : 37 kDa

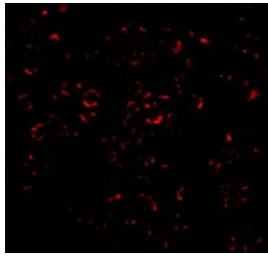
Western blot analysis of Mcl-1 in Raji cell

lysates with ab25956 at (A) 1 and (B) 2 µg/ml.



ab25956 at 10µg/ml staining MCL-1 in Raji

cells by ICC/IF



Immunofluorescence of Mcl-1 in Raji cells
using ab25956 at 20 ug/ml.

Immunocytochemistry/ Immunofluorescence-Anti-
MCL1 antibody(ab25956)

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