Datasheet: AHP998

Description: RABBIT ANTI HUMAN Mcl-1

Specificity: Mcl-1

Other names: MYELOID CELL LEUKAEMIA SEQUENCE 1

Format: Purified

Product Type: Polyclonal Antibody

Isotype: Polyclonal IgG

Quantity: 0.1 mg

RRID: AB_2144116

Applications

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<tr>
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<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>0.5 - 1.0ug/ml</td>
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This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species: Human

Product Form: Purified IgG - liquid

Antiserum Preparation: Antisera to human MCL-1 (IN) were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by ion exchange chromatography.

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.02% Sodium Azide

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Immunogen: A 16 amino acid peptide located near the centre of human MCL-1.
**Specificity**

Rabbit anti Human Mcl-1 antibody recognizes an epitope within the central region (IN) of human Myeloid cell leukaemia sequence 1 (MCL-1), an anti-apoptotic member of the Bcl-2 family of proteins, first identified in differentiating ML-1 myeloid cells, and expressed in many different cell lines, tissues and a variety of tumours.

The MCL-1 protein, localised to intracellular membranes and particularly mitochondrial membranes, has since been isolated in two distinct isoforms, known as MCL-1 long (MCL-1L) and MCL-1 short (MCL-1S). MCL-1S has been identified as a pro-apoptotic splice variant of MCL-1L, missing the transmembrane and BH1 and BH2 (Bcl-2 homology) domains. Interaction between these two antagonistic variants can act to regulate cell survival.

Rabbit anti Human Mcl-1 antibody (AHP998) recognizes both the MCL-1L (~38 kDa) and MCL-1S (~30 kDa) isoforms of MCL-1.

**Western Blotting**

AHP998 detects a band of approximately 30kDa and 38kDa in Human Raji cell lysates.

**Further Reading**


**Storage**

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Guarantee**

18 months from date of despatch.

**Health And Safety Information**


**Regulatory**

For research purposes only

**Recommended Secondary Antibodies**

Sheep Anti Rabbit IgG (STAR34...) **FITC**
Goat Anti Rabbit IgG (H/L) (STAR124...) **HRP**
Goat Anti Rabbit IgG (Fc) (STAR121...) Biotin, FITC, HRP
Sheep Anti Rabbit IgG (STAR35...) RPE
Sheep Anti Rabbit IgG (2AB02...) Biotin
Sheep Anti Rabbit IgG (STAR36...) DyLight®488, DyLight®800, DyLight®800

Recommended Useful Reagents

TidyBlot WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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