Mouse anti BCL-2 Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** BCL-2
- **Catalogue:** 605-360
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** ZY341
- **Application:** IHC(P), WB
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human BCL-2

BACKGROUND

The Bcl-2 gene codes for a 26 kDa protein which has been implicated in the control of cell death by apoptosis, in normal tissues, expression of bcl-2 is restricted to cells and tissues that are characterized by apoptotic cell turnover. Bcl-2 protein exerts a survival function in response to a wide range of apoptotic stimuli through inhibition of mitochondrial cytochrome c release, thus it is also considered as an inner mitochondrial membrane protein which can be expressed in lymphoma and breast carcinoma cells. This protein modulates mitochondrial calcium homeostasis and proton flux. BCL-2 protein is frequently overexpressed in many lymphoid malignancies, thus it can immunohistologically distinguish neoplastic germinal centers from reactive ones.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human BCL-2 protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 30.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

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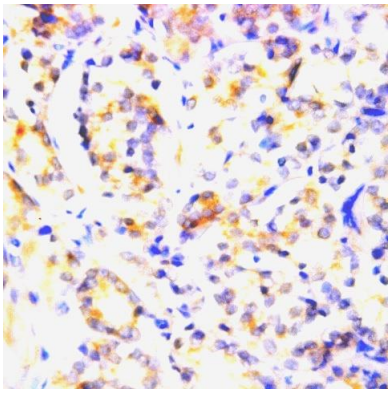
DATA ATTACHMENTS



Immunohistochemistry: Human prostate carcinoma (FFPE) stained with Mouse anti-BCL-2 (Cat# 605-360) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES