

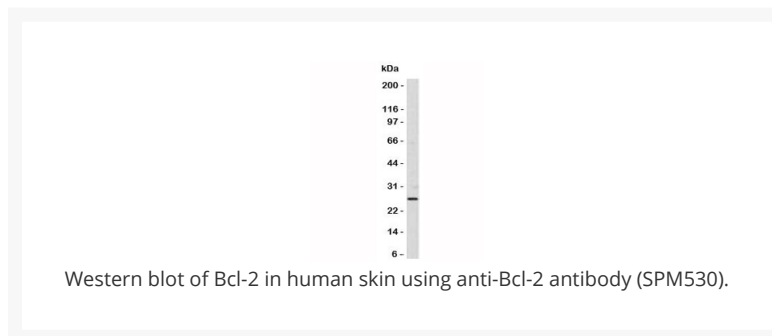


Bcl-2 Antibody [SPM530]

Cat. No.: 34-160



Bcl-2 Antibody [SPM530]



Western blot of Bcl-2 in human skin using anti-Bcl-2 antibody (SPM530).

Ψ Specifications

HOST SPECIES:	Mouse
SPECIES REACTIVITY:	Human
IMMUNOGEN:	Amino acids 41-54 (GAAPAPGIFSSQPG) from the human protein were used as the immunogen for this anti-Bcl-2 antibody.
TESTED APPLICATIONS:	Flow, IF, IHC, WB

APPLICATIONS:	<p>Flow Cytometry: 0.5-1 ug/million cells in 0.1ml</p> <p>Immunofluorescence: 0.5-1 ug/ml</p> <p>Western blot: 0.5-1 ug/ml</p> <p>Immunohistochemistry (FFPE): 0.5-1 ug/ml for 30 minutes at RT (1)</p> <p>Prediluted format : incubate for 30 min at RT (2)</p> <p>The optimal dilution of the anti-Bcl-2 antibody for each application should be determined by the researcher.</p> <ol style="list-style-type: none"> 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes. 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
SPECIFICITY:	Does not react with mouse and rat

Ψ Properties

PURIFICATION:	Protein G affinity chromatography
CLONALITY:	Monoclonal
ISOTYPE:	IgG1, kappa
CONJUGATE:	Unconjugated
PHYSICAL STATE:	Liquid
BUFFER:	PBS with 0.1 mg/ml BSA and 0.05% sodium azide
CONCENTRATION:	0.2 mg/mL
STORAGE CONDITIONS:	Aliquot and Store at 2-8 °C. Avoid freeze-thaw cycles.

Ψ Additional Info

OFFICIAL SYMBOL:	BCL2
ALTERNATE NAMES:	Bcl-2 Antibody: Bcl-2, PPP1R50, Apoptosis regulator Bcl-2
GENE ID:	596
USER NOTE:	Optimal dilutions for each application to be determined by the researcher

Ψ Background and References

BACKGROUND:

This antibody recognizes a protein of 25-26kDa, identified as the Bcl-2 alpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein. Expression of bcl-2 alpha oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of bcl-2 alpha protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, this antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymph node biopsies. It may also be used in distinguishing between those follicular lymphomas that express bcl-2 protein and the small number in which the neoplastic cells are bcl-2 negative.

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