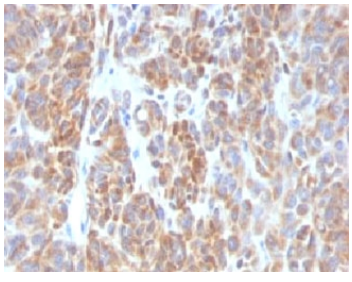
Bcl2 Antibody [clone ARBC2-1] (V7145)

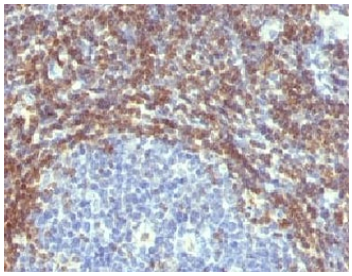
Catalog No.	Formulation	Size
V7145-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7145-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7145SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7145IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ARBC2-1
Purity	Protein G affinity chromatography
UniProt	P10415
Localization	Cytoplasmic, membrane
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Prediluted IHC only format: incubate for 30 min at RT (1)
Limitations	This Bcl2 antibody is available for research use only.



IHC testing of FFPE human melanoma with Bcl2 antibody (clone ARBC2-1). HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min and allow to cool before testing.



IHC testing of FFPE human tonsil with Bcl2 antibody (clone ARBC2-1). HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min and allow to cool before testing.



Western blot testing of human MCF7 cell lysate with Bcl2 antibody (clone ARBC2-1). Routinely observed at 18-22 kDa.

Description

Bcl2 suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop system with caspases. Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1). May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release. [UniProt]

Application Notes

Optimal dilution of the Bcl2 antibody should be determined by the researcher.

1. 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.

Immunogen

Recombinant full-length human protein was used as the immunogen for the Bcl2 antibody.

Storage

Store the Bcl2 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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