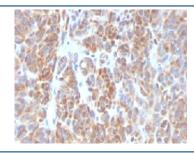


# Bcl2 Antibody [clone ARBC2-1] (V7145)

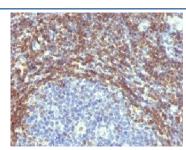
Catalog No.	Formulation	Size
V7145-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7145-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7145SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7145IHC-7ML	Prediluted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

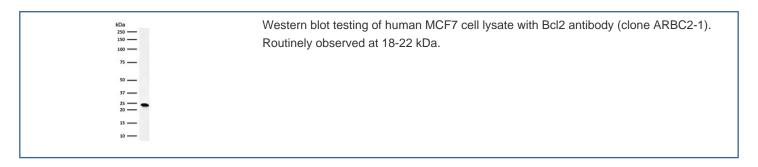
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ARBC2-1
Purity	Protein G affinity chromatography
UniProt	P10415
Localization	Cytoplasmic, membrane
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (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.



### **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).