Datasheet for ABIN3026601

anti-Bcl-2 antibody

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	Bcl-2 (BCL2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Bcl-2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant full-length human protein was used as the immunogen for the Bcl-2 antibody cocktail.
Clone:	BCL2-782-BCL2-796
Isotype:	IgG
Characteristics:	This antibody recognizes a protein of 25-26 kDa, 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.

Product Details

Purification:	Protein G affinity chromatography

Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	Bcl-2 (BCL2 Products)
Background:	This antibody recognizes a protein of 25-26 kDa, 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.
Pathways:	MAPK Signaling, PI3K-Akt Signaling, Apoptosis, Caspase Cascade in Apoptosis, Regulation of Muscle Cell Differentiation, Cell-Cell Junction Organization, Skeletal Muscle Fiber Development, Autophagy, Smooth Muscle Cell Migration, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	Optimal dilution of the Bcl-2 antibody cocktail should be determined by the researcher. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min. 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.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 1-2 µg/mL,Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT (1),Prediluted format: incubate for 30 min at RT (2)
Restrictions:	For Research Use only

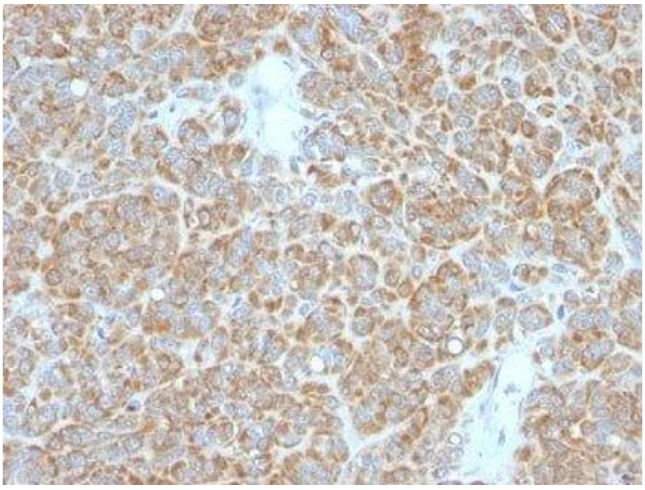
Handling

Concentration:	0.2 mg/mL
Buffer:	0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide
Preservative:	Sodium azide

Handling

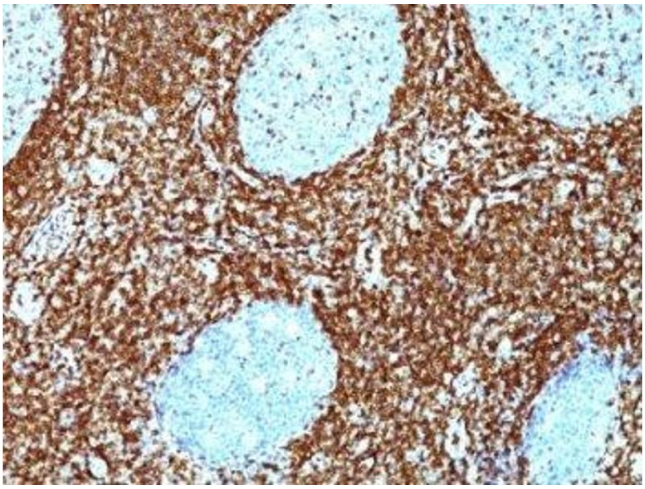
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store the Bcl-2 antibody cocktail at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human melanoma stained with Bcl-2 antibody.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human non-Hodgkin's lymphoma stained with Bcl-2 antibody (BCL2/782 + BCL2/796).