



Rabbit Anti-Human BCL2 (Phospho T129) Polyclonal Antibody (CABT-CS419)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody recognizes Bcl-2 with the phosphorylation site Thr129. It does not cross-react with non-phosphospecific peptide.
Target	BCL2
Immunogen	A synthetic peptide derived from epitope -FATVV- with the phosphorylation site Thr129 of human BCL-2 protein. This sequence is identical in human, rat, mouse, bovine and dog
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	The Rabbit IgG is purified by site-modified Epitope Affinity Purification.
Conjugate	unconjugated
Applications	IHC (P), WB, ELISA, IP
Format	Liquid
Size	100 µg
Buffer	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Preservative	None
Storage	The antibodies are stable for 24 months from date of receipt when stored at –20°C to –70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity.

BACKGROUND

Introduction

The Bcl-2 gene codes for a 25 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. Several phosphorylation sites have been identified within Bcl-2 including Thr56, Ser70, Thr74, Ser87 and Thr127 which may be the targets of the ASK1/MKK7/JNK1 pathway, and that phosphorylation of Bcl-2 may be a marker for mitotic events.

Keywords

BCL2; B-cell CLL/lymphoma 2; Bcl-2; Bcl 2; PPP1R50
