

## Product datasheet for **TA306172**

### **BCL2 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	ELISA, ICC, WB
<b>Recommended Dilution:</b>	WB: 1-4µg/mL; ICC: 2 µg/mL. Antibody validated: Western Blot in human and mouse samples; Immunocytochemistry in mouse samples. All other applications and species not yet tested.
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Bcl-2 antibody was raised against a peptide corresponding to 14 amino acids near the middle of human Bcl-2.
<b>Formulation:</b>	PBS containing 0.02% sodium azide.
<b>Concentration:</b>	1ug/ul
<b>Purification:</b>	Bcl-2 Antibody is affinity chromatography purified via peptide column.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	B-cell CLL/lymphoma 2
<b>Database Link:</b>	<a href="#">AAH27258</a> <a href="#">Entrez Gene 596 Human P10415</a>



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**Background:**

Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Disruption of this process has been implicated in a variety of diseases such as cancer (reviewed in 1). Bcl-2 is the founding member of a family of over 20 proteins that are critical regulators of apoptosis (reviewed in 2 and 3). These can be divided into two classes: those that inhibit apoptosis and those that promote cell death. Bcl-2 is an inner mitochondrial membrane protein that inhibits apoptosis (4). It is thought to act by interacting with pro-apoptotic Bcl-2 family members such as Bak and Bad (5 for review). Overexpression of Bcl-2 has been linked to human cancers such as B-cell lymphoma and prostate cancer (4,6).

**Synonyms:**

Bcl-2; PPP1R50