

## Anti-BCL2 Antibody (3D343)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	3D343
Purification:	Affinity-chromatography

## Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in: 293 whole cell lysate, HepG2 whole cell lysate, Jurkat whole cell lysate, U-937 whole cell lysate, THP-1 whole cell lysate, Raji whole cell lysate, Mouse Spleen whole cell lysate</li><li>-All lanes: Bcl-2 antibody at 1:1000</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 27, 23 kDa</li><li>-Observed band size: 27 kDa</li></ul> <p>2. IHC image of TMAH-00109 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.</p>
Application:	ELISA,IHC,WB
Recommended	WB:1:500-1:5000; IHC:1:50-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	A synthetic peptide: Human Bcl-2
Antigen Species:	Human
Gene ID:	596
Uniprot ID:	P10415
Synonyms:	B-cell CLL/lymphoma 2;PPP1R50;Bcl-2
Biology Area:	Cancer, Cell biology, Metabolism, Signal transduction

## Research Background

Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells.

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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). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function. May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481