

Anti-BCL2 Antibody (2P100)

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse,Dog,Pig,Cow,Horse,Rabbit,Sheep,GuineaPig)
Molecular Weight:	Theoretical: 26 kDa. Actual: 26 kDa.
Clone:	2P100
Purification:	Protein G purified

Applications

Verified Activity:

1. Sample:

Jurkat (Human) Cell Lysate at 30 µg

Hela (Human) Cell Lysate at 30 µg

HL60 (Human) Cell Lysate at 30 µg

Primary: Anti-Bcl-2 (TMAB-00194) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 26 kDa

Observed band size: 26 kDa

2. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Bcl-2) Polyclonal Antibody, Unconjugated (TMAB-00194) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Bcl-2) Monoclonal Antibody, Unconjugated (TMAB-00194) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Bcl-2) Monoclonal Antibody, Unconjugated (TMAB-00194) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Bcl-2) Monoclonal Antibody, Unconjugated (TMAB-00194) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

6. Sample:

LOVO Cell (Human) Lysate at 40 µg

MCF-7 Cell (Human) Lysate at 40 µg

Primary: Anti-Bcl-2 (TMAB-00194) at 1/2 000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 26 kDa

Observed band size: 28 kDa

7. Sample:

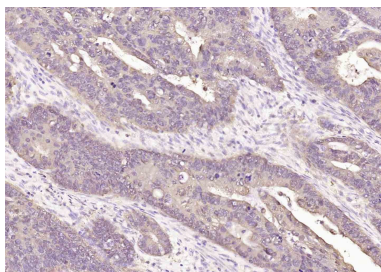
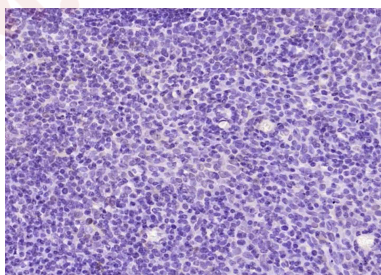
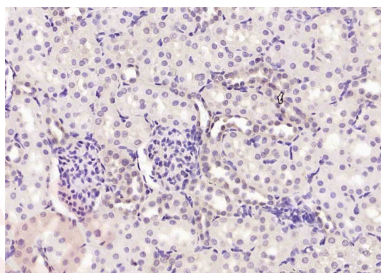
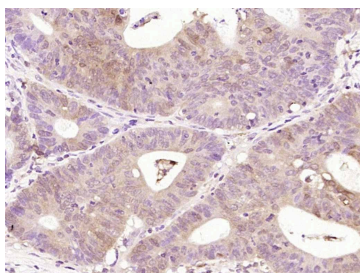
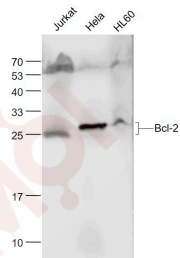
LOVO (Human) Cell Lysate at 30 μ g

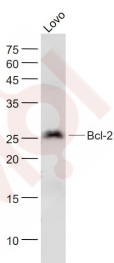
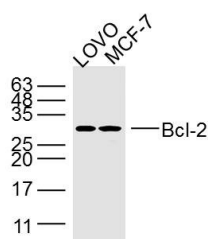
Primary: Anti-Bcl-2 (TMAB-00194) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 26 kDa

Observed band size: 26 kDa





Application: IF,IHC-Fr,IHC-P,WB

Recommended IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

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: KLH conjugated synthetic peptide: human Bcl-2

Antigen Species: Human

Gene ID: 596

Uniprot ID: P10415

Synonyms: B-cell CLL/lymphoma 2;Bcl-2;PPP1R50

Biology Area: Cellular metabolic process,Response to hypoxia,Bcl 2 family,Metabolism,Bcl 2 family,Cell survival & death,Oncoproteins,Bcl2 Family,Apoptosis marker and proteins ELISA kits,Apoptosis, Hypoxia,Mitochondrial markers,Cancer,Mitochondrial

Research Background

The Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18)-bearing follicular B cell lymphomas(1,2).Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal (3,5).Bcl-2 appears to function in several subcellular locations yet lacks any known motifs that would confer insight into its mechanism of action (6,7).A more recently identified protein, designated Bax p21(i.e., Bcl-associated X protein),has extensive amino acid homology with Bcl-2 and both homodimerizes and forms heterodimers with Bcl-2(8). Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line and Bax also counters the death repressor activity of Bcl-2(8).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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