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Anti-Bcl-2 Rabbit Monoclonal Antibody

Catalog # ABO13757

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	P10415
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Bcl-2 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse.

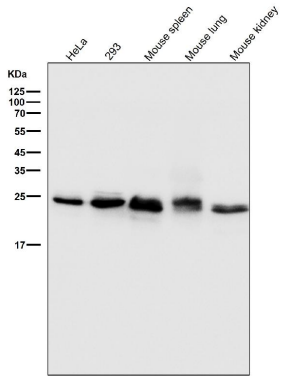
Additional Information

Gene ID	596
Other Names	Apoptosis regulator Bcl-2, BCL2
Calculated MW	26266
Application Details	WB 1:1000-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:50
Subcellular Localization	Mitochondrion outer membrane ; Single-pass membrane protein. Nucleus membrane ; Single-pass membrane protein. Endoplasmic reticulum membrane ; Single-pass membrane protein.
Tissue Specificity	Expressed in a variety of tissues.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AAOH-2
Immunogen	A synthesized peptide derived from human Bcl-2
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

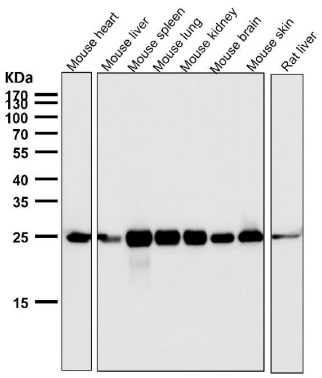
Protein Information

Name	BCL2
Function	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells (PubMed:1508712, PubMed:8183370). Regulates cell death by controlling the mitochondrial membrane permeability (PubMed:11368354). Appears to function in a feedback loop system with caspases (PubMed:11368354). 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) (PubMed:11368354). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function (PubMed:18570871, PubMed:20889974, PubMed:21358617). May attenuate inflammation by impairing NLRP1- inflammasome activation, hence CASP1 activation and IL1B release (PubMed:17418785).
Cellular Location	Mitochondrion outer membrane; Single-pass membrane protein. Nucleus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein. Cytoplasm {ECO:0000250|UniProtKB:P10417}
Tissue Location	Expressed in a variety of tissues.

Images

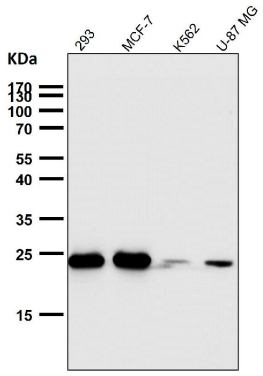


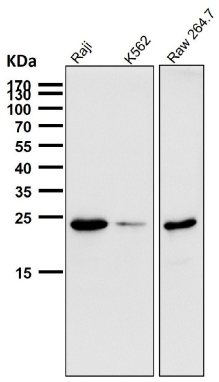
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



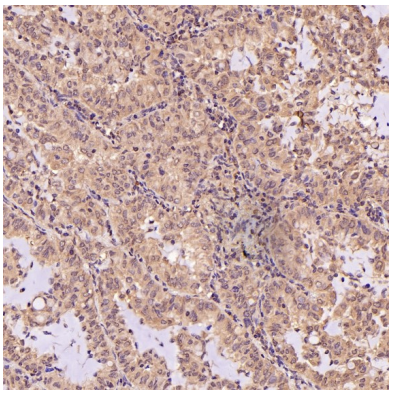
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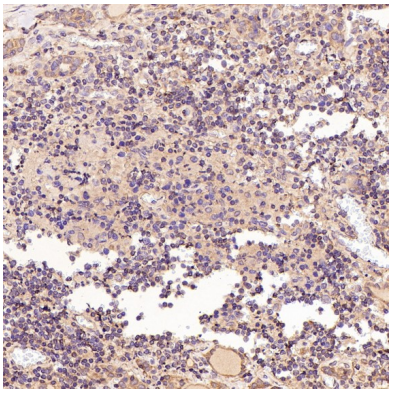




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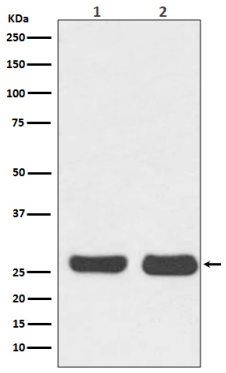


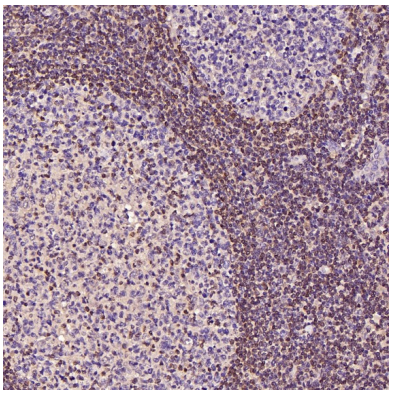
Immunohistochemical analysis of paraffin-embedded Human lung adenocarcinoma, using the Antibody at 1:100 dilution.



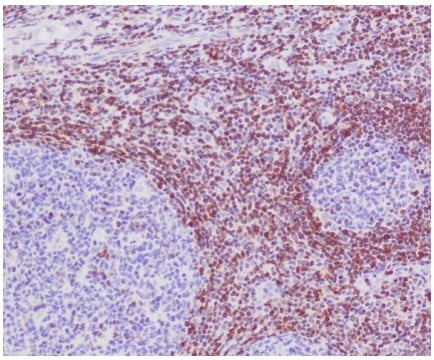
Immunohistochemical analysis of paraffin-embedded Human thyroid cancer, using the Antibody at 1:300 dilution.

Western blot analysis of Bcl-2 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate.

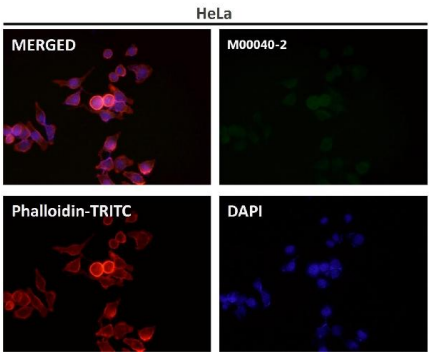




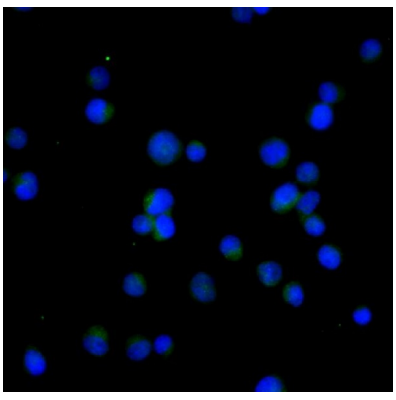
Immunohistochemical analysis of paraffin-embedded Human tonsil, using the Antibody at 1:300 dilution.



Immunohistochemical analysis of paraffin-embedded human tonsil, using Bcl-2 Antibody.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis of Jurkat cells, using Bcl-2 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.