

BCL-2 Antibody

Catalog No: #21059



Package Size: #21059-1 50ul #21059-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

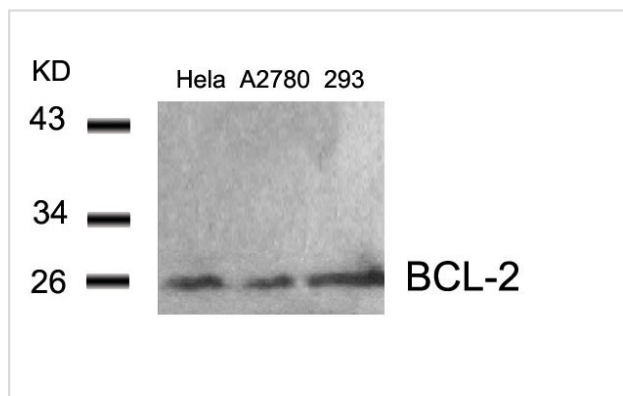
Description

Product Name	BCL-2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB;IHC;IF
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total BCL-2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 54~58 (G-H-T-P-H) derived from Human BCL-2.
Conjugates	Unconjugated
Target Name	BCL-2
Other Names	BCL2
Accession No.	Swiss-Prot: P10415NCBI Protein: NP_000624.2
Calculated MW	26kDa
SDS-PAGE MW	26kDa
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

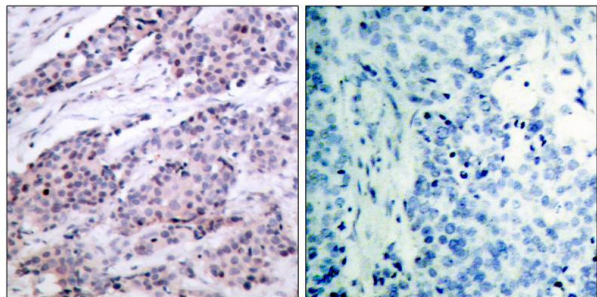
Application Details

WB 1:500-1:2000; IHC 1:50-1:200; IF 1:50-1:200;

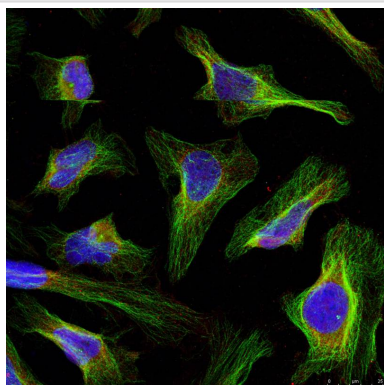
Images



Western blot analysis of extracts from HeLa, A2780 and 293 cells using BCL-2(Ab-56) Antibody #21059.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BCL-2(Ab-56) Antibody #21059(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using BCL-2(Ab-56) Antibody #21059.

Background

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

Ling, Y. H. et al. (1998) J. Biol. Chem. 273, 18984-18991.

Huang, S.J. and Cidlowski, J.A. (2002) FASEB 16, 825-832.

Deng, X. et al. (2001) J. Biol. Chem. 276, 23681-23688.

Huang ST, et al. (2002) FASEB J Jun; 16(8): 825-32.

Yamamoto, K. et al. (1999) Mol. Cell. Biol. 19, 8469-8478.

Published Papers

Wei-Jun Pang, Yan Xiong, Zhao Zhang et al., Lentivirus-mediated Sirt1 shRNA and resveratrol independently induce porcine preadipocyte apoptosis by canonical apoptotic pathway., Mol Biol Rep., 40(1):129— C139(2013)

[PMID:23065251](#)

et al., Anticancer effects of sodium butyrate on hepatocellular carcinoma cells in vitro. In Int J Mol Med on 2013 Apr by Hong-Gang Wang, Xiao-Dan Huang, et al..PMID:

23440283, , (2013)

[PMID:23440283](#)

et al., miR-375 inhibits Helicobacter pylori-induced gastric carcinogenesis by blocking JAK2/ ζ • TAT3 signaling. In Cancer Immunol Immunother on 2014 Jul by Lin Miao , Kunmei Liu et al..PMID:24718681, , (2014)

[PMID:24718681](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.