Product Datasheet

BCL-2(Ab-56) Antibody

Catalog No: #21059

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

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

Description

Product Name	BCL-2(Ab-56) 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	Hu
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.
Target Name	BCL-2
Other Names	BCL2
Accession No.	Swiss-Prot: P10415NCBI Protein: NP_000624.2
Uniprot	P10415
GeneID	596;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

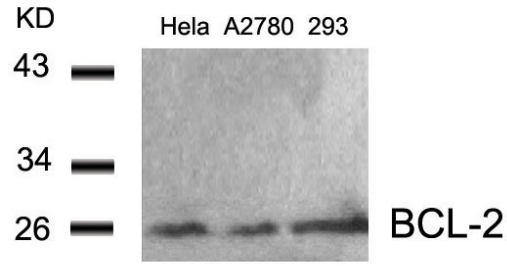
Predicted MW: 26kd

Western blotting: 1:500~1:1000

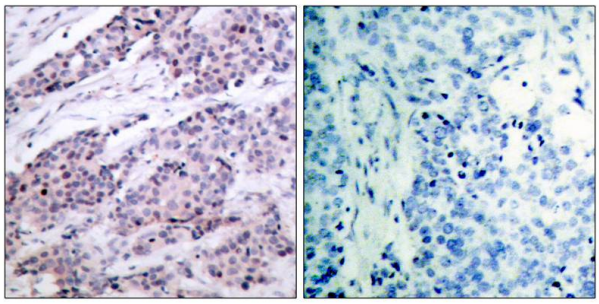
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

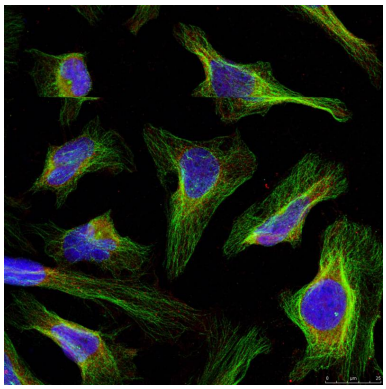
Images



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.

Note: This product is for in vitro research use only