



BCL-2 (Ab-56) Antibody

#21059

Catalog Number: 21059-1, 21059-2

Amount: 50 µg/50 µl, 100 µg/100 µl

Swiss-Prot No. : P10415

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human BCL-2 around the phosphorylation site of threonine 56 (G-H-Tr-P-H)

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

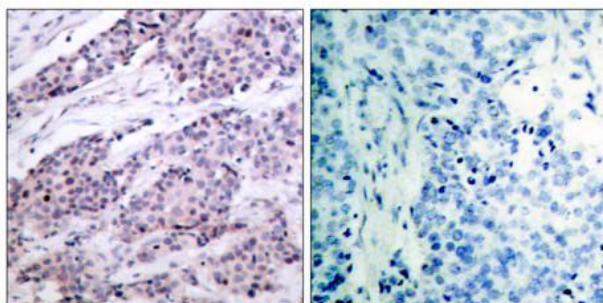
Specificity/Sensitivity: BCL-2 (Ab-56) antibody detects endogenous levels of total BCL-2 protein

Reactivity: Human, Mouse, Rat

Applications:

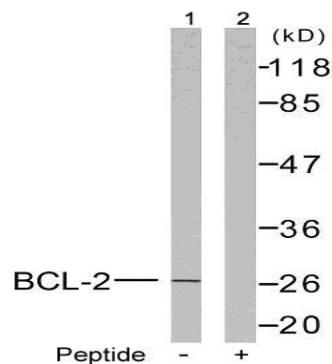
Predicted MW: 26kd

WB: 1:500~1:1000 IHC: 1:50-1:100 IF:1:100-1:200



Peptide - +

Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue using BCL-2 (Ab-56) antibody (#21059).



Western blot analysis of extracts from MCF7 cells treated with etoposide 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).

References:

- 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