



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**bcl -xl. Sheep Polyclonal Antibody**

**BACKGROUND**

bcl-x is a bcl-2-related gene that can function as a regulator of programmed cell death (apoptosis) independent of bcl-2. Alternative splicing results in two distinct bcl-x mRNAs. The larger mRNA gives rise to a protein product, bcl-xl, which is similar in size and predicted structure to bcl-2 (1). The smaller mRNA gives rise to bcl-xS. bcl-x immunoreactivity has been detected in a wide variety of cell types and the protein is typically present in the cytosol in association with the mitochondrial periphery, a property shared with bcl-2 however membrane bound forms of bcl-x have been demonstrated in thymocytes (2-4). Following the induction of apoptosis all of the bcl-x protein shifts to the membrane form (2). Of the two isoforms of bcl-x, the long (bcl-xl) is the most abundant mRNA species expressed in embryonic and adult tissues and most likely differs from bcl-2 in its regulatory activity on cell differentiation through controlled tissue specific expression (1,3). Like its homolog bcl-2, bcl-x undergoes phosphorylation, a modification that requires that a specific 60 amino acid loop region be intact, which in turn appears to regulate activity (5,6). Structurally, based on 3D-structure analysis, bcl-x forms pH sensitive cation-selective ion channels in membranes a property shared with the pore forming domains of several bacterial toxins (7). Bcl-xl has been shown to modify the cell's response to oxidants, to participate in resistance to chemotherapeutic agents and radiation, and to play a key role in the development of the developing CNS (8-10).

**IMMUNOGEN**

A synthetic peptide corresponding to amino acids 3 to 14 of the human bcl-xl sequence

**POSITIVE CONTROL/TISSUE EXPRESSION**

**COMMENTS**

Application: Western Blot at 1-5 ug/ml. Positive control MCF-7 cells.

**ORDERING INFORMATION**

**CATALOG NUMBER**

A110P

**SIZE**

100 µg

**FORM**

Unconjugated

**HOST/CLONE**

Sheep

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Human

**ACCESSION NUMBER**

Q07817, Human

**PURIFICATION**

Ammonium Sulfate Precipitation

**SHIP CONDITIONS**

room temperature

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

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2. Krajewski S., et al. (1994) Cancer Res 54:5501-5507.
3. Gonzalez-Garcia M., et al. (1994) Development 120: 3033-3042.
4. Hsu, Y.T., et al. (1997) Proc. Natl. Acad. Sci USA 94: 3668-3672.
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7. Minn, A.J., et al. (1997) Nature 385: 353-357.
8. Fang W., et al. (1995) J Immunol 155: 66-75.
9. Datta R., et al. (1995) Cell Growth Differ 6:363-370.
10. Shindler, K.S., et al. (1997) J. Neurosci. 17:3112-3119.