

Rabbit Anti-Bcl-x [EP94]: RM0007

Intended Use: For Research Use Only

Description: Bcl-x, also known as Bcl-2-like protein 1, is a member of the Bcl-2 protein family. It inhibits cell death, or apoptosis. Bcl-x is expressed as two isomeric forms, Bcl-xL and Bcl-xS, and it is typically present in the cytosol in association with the mitochondrial membrane. Bcl-xL forms heterodimers with various proteins, including Bax, Bak and Bcl-2. It has been found that heterodimerization with Bax does not seem to be required for anti-apoptotic activity. Since Bcl-xL can form an ion channel in synthetic lipid membranes, there is a strong possibility that this property plays a role in heterodimerization-independent cell survival. The Bcl-X(S) isoform promotes apoptosis. Bcl-x is expressed in many types of cell including lymphocytes, neuronal cells, and epithelial cells. In tumors, a high level of Bcl-x has been found in Reed Sternberg cells in Hodgkin's disease. Overexpression of Bcl-x has been observed in primary central nervous system lymphomas that occur in immunosuppressed patients. In prostate cancer, Bcl-x expression is increased during tumor progression. Overexpression of Bcl-x in colon cancer has been linked to a poor prognosis.

Specifications:

Clone: EP94
Source: Rabbit
Isotype: IgG
Reactivity: Human
Localization: Cytoplasm, nucleus
Formulation: Antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC,
Package:

Description	Catalog No.	Size
Bcl-x Concentrated	RM0007	1 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, lymphoma
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.