



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet Rabbit anti-Bcl-w antibody

Catalog No.
130-10025

Isotype:
Rabbit Ig G

Species:
Human

Accession No:
O88996

Description

Bcl-w, which is a member of the BCL-2 protein family, forms hetero- or homodimers and acts as anti- and pro-apoptotic regulators. This protein has been shown to contribute to reduced cell apoptosis under cytotoxic conditions. Studies of the related gene in mice indicated a role in the survival of NGF- and BDNF-dependent neurons. Promotes cell survival. Blocks dexamethasone-induced apoptosis. Mediates survival of postmitotic Sertoli cells by suppressing death-promoting activity of BAX. Mutation and knockout studies of the mouse gene demonstrated an essential role in adult spermatogenesis.

Applications

Table Summary of antibody applications and working conditions

Options / Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	*			1:80000 (at least detecting 12.5ng/ml)
Western Blotting			*	
Enzyme Immunoassay (EIA)			*	
Immunohistology - paraffin			*	
Immunohistology - resin			*	
Immunoprecipitation			*	
Flow Cytometry			*	
Neutralization			*	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Preparation

Immunogen was synthetic peptide derived from human Bcl-w. This antibody was produced from a rabbit immunized with the immunogen. The IgG fraction was purified from rabbit serum by ammonium sulphate precipitation followed by Protein A/G affinity chromatography.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Binding Activity

The antibody can specifically bind to its immunogen, and did not show any cross reactivity with unrelated antigens in ELISA. The specificity for binding to recombinant protein, cellular protein and native antigen is not defined. Cross reactivity with mouse and rat Bcl-w was not tested yet.

Reconstitution

Supplied as lyophilized and purified antibody originally containing PBS, without **Preservative Stabilizers**, liking Sodium Azide. *It final concentration is indicated in shipping vial.*

The antibody is stable for at least years from the data of receipt when stored at -20°C to -70°C . Reconstituted antibody (suggesting with sterile PBS) can also be aliquotted and stored frozen at -20°C to -70°C in a manual defrost freezer for months without detectable loss activity. Upon reconstitution, the antibody can also be stored over months at 4°C . **Please avoid freeze-thaw cycles.**

Storage

Keep it at 4°C if intended for use within a month, otherwise, Store at -20°C . **Minimize freezing and thawing when use.**

Related products

1. Rabbit Anti-bcl-2 Antibody(Cat#RB-02-0024)
2. Goat Anti-Human BCL-2 Binding Component 3 Antibody(Cat#DS-PB-00241)
3. RayBio® Human Apoptosis Array 1 (2) (Cat# AAH-APO-1-2)
4. Bcl-2 ELISA Kit(Cat#ELH-Bcl2-001)

Reference

Gibson L, Holmgren SP, Huang DC. (1996) bcl-w, a novel member of the bcl-2 family, promotes cell survival. *Oncogene*.13(4):665-75.

Murphy B, Dunleavy M, Shinoda S, Schindler C.(2007) Bcl-w protects hippocampus during experimental status epilepticus. *Am J Pathol*. 171(4):1258-68.

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