

Datasheet: AHP2558

BATCH NUMBER 165056

Description:	RABBIT ANTI Bcl-xL (pSer62)
Specificity:	Bcl-xL (pSer62)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/500 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to Bcl-xL (pSer62) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.02% Sodium Azide
 50% Glycerol

Immunogen Phospho specific-peptide corresponding to residues surrounding serine 62 of human Bcl-xL

External Database Links

UniProt:

[Q07817](#) [Related reagents](#)

Entrez Gene:

[598](#) BCL2L1 [Related reagents](#)

Synonyms BCL2L, BCLX

Specificity **Rabbit anti Bcl-xL (pSer62) antibody** recognizes Bcl-xL, also known as Bcl-2-like protein 1 (Bcl-2-L-1) and apoptosis regulator Bcl-X, when phosphorylated at serine 62. Bcl-xL is a Bcl-2 family member that has an anti-apoptotic function in the apoptosis signaling cascade.

Bcl-xL inhibits apoptosis by preventing the release of mitochondrial cytochrome c and the subsequent activation of caspases 3 and 9.

Mitotic arrest induces complete phosphorylation of Bcl-xL at serine 62 by cyclin dependent kinase 1 (CDK1), inactivating the anti-apoptotic function of Bcl-xL ([Terrano *et al.* 2010](#)).

Further Reading 1. Terrano, D.T. *et al.* (2010) Cyclin-dependent kinase 1-mediated Bcl-xL/Bcl-2 phosphorylation acts as a functional link coupling mitotic arrest and apoptosis [Mol Cell Biol. 30 \(3\): 640-56](#).

Storage Store at -20°C
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2558>
10049

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Sheep Anti Rabbit IgG (STAR36...)

[DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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