

## Datasheet: AHP2558

**BATCH NUMBER 141520**

<b>Description:</b>	RABBIT ANTI Bcl-xL (pSer62)
<b>Specificity:</b>	Bcl-xL (pSer62)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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 \(STAR209P\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	------------------	-------------------------------------------------------------------------------------------------------------------------------------------------	---------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M336321:181214'

Printed on 19 Jan 2024

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)