

Datasheet: AHP2558

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.
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
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Preservative	0.02% Sodium Azide
Stabilisers	50% Glycerol

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

UniProt:

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

Entrez Gene:

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

Synonyms	BCL2L, BCLX
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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 <i>et al.</i> 2010).
Western Blotting	Due to the presence of phosphoproteins in milk, the use of milk based blocking reagents is not recommended. 1% BSA in PBS or TBS Tween should be used instead.
Further Reading	1. Terrano, D.T. <i>et al.</i> (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.
Shelf Life	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: 10049: https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)	FITC
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin , FITC , HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

Recommended Useful Reagents

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

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