

Product Data Sheet

Purified anti-XBP-1s

Catalog # / Size: 619501 / 50 µl (5 Western blots)
 619502 / 200 µl (20 Western blots)

Clone: Poly6195

Isotype: Rabbit IgG

Immunogen: Peptide

Reactivity: Human, Rat, and weak reactive with Mouse; recognizes the 54 kD form

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20° C.

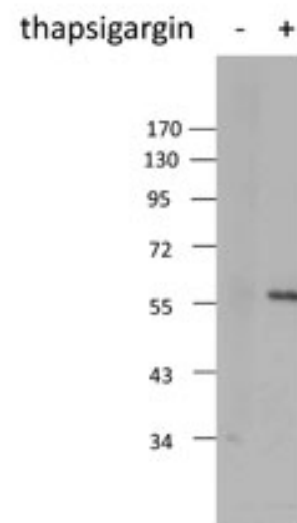
Applications:

Applications: WB - *Quality tested*
 ChIP, IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

- Hou J. 2005. *Leuk Res* 29:1059. PubMed
- Thuerlauf DJ, et al. 2006. *Circ Res* 99:275. (WB) PubMed
- Kim KM, et al. 2007. *Circ Res* 101:919. (WB) PubMed
- Zhou X, et al. 2007. *Leuk Res* 31:1259 PubMed
- Jiang H, et al. 2007. *Int J Hematol* 86:429 PubMed
- Romero-Ramirez L. 2009. *Transl Oncol* 2:31 PubMed
- Pattison JS, et al. 2008. *Circulation* 117:2743. (WB) PubMed
- Hsiao JR, et al. 2009. *Cancer Res* 69:4461 (ChIP) PubMed
- Guan L, et al. 2009. *Apoptosis* 14:218. PubMed
- Scriven P, et al. 2009. *Br J Cancer* 101:1692 PubMed
- Yu J, et al. 2009. *Int J Biochem Cell Biol* 41:1739. PubMed
- Coope A, et al. 2012. *J. Biol Chem* 287:15580. PubMed.
- Kawabata S, et al. 2012. *Cell Death Dis* 3:e353. PubMed.
- Wang Y, et al. 2012. *Cancer Res* 72:5396. PubMed.



Extracts of untreated HepG2 cells (lane 1) and extracts of HepG2 cells treated with 300 nM of thapsigargin for 16 hours (lane 2) were resolved by electrophoresis, transferred to nitrocellulose, and probed with purified polyclonal anti-Xbp-1 antibody (clone Poly6195). The proteins were visualized using a donkey anti-rabbit-IgG secondary conjugated to HRP and chemiluminescence detection.

Description: Xbp-1 (X-box binding protein 1) is a ubiquitously expressed 29 kD member of the CREB/ATF transcription factor family, and a mammalian homologue of the yeast transcription factor Hac1. Xbp-1 regulates MHC class II genes by binding to the X-box promoter motif and can also bind to the enhancer in T cell leukemia virus type I promoter to increase viral protein expression by binding the viral transactivator. This transcription factor is essential for hepatocyte differentiation and can be upregulated by ER stress, IL-6, and IL-4. The PAX5 transcription factor downregulates Xbp-1; downregulation has been shown to correlate with tumor progression in prostate cancer. The Poly6195 antibody recognizes the C-terminal region of human and rat Xbp-1 and has been shown to be useful for Western blotting.

Antigen References:

- Liou HC, et al. 1990. *Science* 247:1581.
- Ponath PD, et al. 1993. *J. Biol. Chem* 268:17074.
- Takahashi S, et al. 2002. *Prostate* 50:154.

Related Products:	Product	Clone	Application
	Purified anti-human HLA-DR	L243	FC, IHC, IP, WB, CyTOF®
	Purified anti-human IL-4	MP4-25D2	ELISA, ICFC, IHC, IP, WB, CyTOF®
	Purified anti-human IL-6	MQ2-13A5	ELISA Capture, IHC, WB, CyTOF®
	Purified anti-human IL-4	8D4-8	ELISA Capture, IHC, IP
	Purified anti-Xbp-1 (NH2 terminus)	Poly6196	WB
	HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.