BioLegend
The path to legendary discovery™

Product Data Sheet

Purified anti-Elongin B

Catalog # / Size: 629301 / 25 µg
629302 / 100 µg

Clone: 10C4

Isotype: Mouse IgG1, κ

Immunogen: Full length recombinant protein

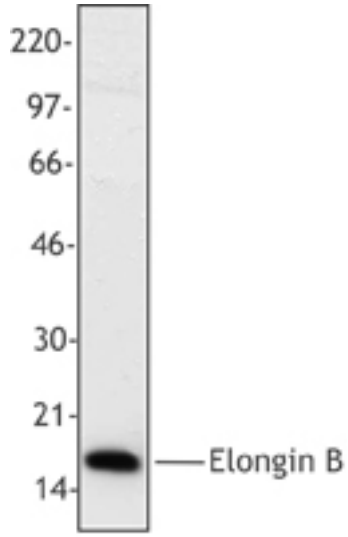
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.

Concentration: 0.5 mg/ml

Storage: Upon receipt, store undiluted at 4°C.



Hela cell nuclear extracts were resolved by electrophoresis, transferred to nitrocellulose and probed with monoclonal anti-elongin B (clone 10C4). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and a chemiluminescence system.

Applications:

Applications: WB-*Quality tested*
IP - *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 5 µg per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Description: Elongin B (also known as RNA polymerase II transcription factor SIII p18 subunit and transcription elongation factor B polypeptide 2) is an 18 kD member of the UbH family containing a ubiquitin-like domain. Elongin functions as a subunit of a general transcription elongation factor that increases RNA polymerase II transcription elongation past template-encoded arresting sites in the nucleus. The Elongin BC complex acts as adaptor to link Elongin A, VHL, WSB1 or SOCS1 with a module of CUL2 or CUL5 and RBX1 to form E3 ubiquitin ligases. The 10C4 monoclonal antibody recognizes the human elongin B protein and has been shown to be useful for Western blotting.

Antigen References:
1. Duan D, *et al.* 1995. *Science*. 269:1402.
2. Stebbins C, *et al.* 1999. *Science*. 284:455.
3. Brower C, *et al.* 2002. *P. Natl. Acad. Sci. USA* 99:10353.
4. DeRenzo C, *et al.* 2003. *Nature*. 424:685.

Related Products:

Product	Clone	Application
HRP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, IHC, WB

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587