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Inspiration for Life Science

POLYCLONAL ANTIBODY

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Catalog No. BAM-70-301-EX

Anti-Lamin B Receptor antibody, affinity-purified

BACKGROUND

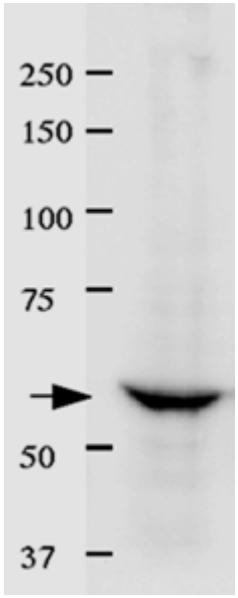
Lamins are nuclear membrane proteins that serve to maintain nuclear structure and functions. Lamin B receptor (LBR) is localized in the nuclear envelope inner membrane and anchors the lamina and heterochromatin to the membrane (1). It may mediate interaction between chromatin and lamin B (2). The interaction with lamin and chromatin is regulated by phosphorylation.

Product type	Primary antibodies
Host	Rabbit
Source	
Form	Liquid 1 mg/ml in PBS, 50% glycerol, 0.05% sodium azide (and trace of ammonium sulfate) Affinity-purified with the recombinant LBR
Volume	50 μg
Concentration	
Specificity	Lamin B Receptor
Antigen	Highly purified recombinant mouse LBR (amino acids 1-81)
Isotype	

Application notes	WB, IP, Indirect immuno-fluorescence staining Other applications have not been tested **Recommended use** **Recommended dilutions** Western blotting: 0.2 - 1ug/ml Optimal dilutions/concentrations should be determined by the end user. UniProtKB/Swiss-Prot Q14739 (LBR_HUMAN) **Staining Pattern**
Cross reactivity	Mouse and human. Not tested with other species.
Storage	-20°C (long period, -80°C)
References	1) Worman HJ *et al* "A lamin B receptor in the nuclear envelope" *Pro.Natl.Acad.Sci USA* **85**:8531-8534 (1988) PMID: 2847165 2) Pyrpasopoulou A *et al* "The lamin B receptor (LBR) provides essential chromatin docking sites at the nuclear envelope" *EMBO J.* **15**: 7108-7119 (1996) PMID: 9003786

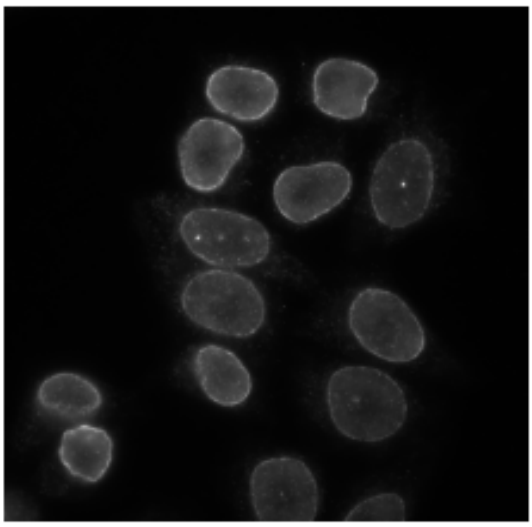
Figure. Identification of LBR in HeLa cell by immuno-precipitation and immuno-staining with anti-LBR antibody (1-81)

A) IP



Identification of LBR in crude extract of HeL cells by immuno-precipitation followed by Western blotting

B) Immuno-fluorescence staining



Indirect immuno-fluorescence staining of HeLa cells

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COSMO BIO CO., LTD.
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TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN
http://www.cosmobio.co.jp/index_e.asp E-mail: export@cosmobio.co.jp
Phone : +81-3-5632-9617 FAX : +81-3-5632-9618