

# Anti-Lamin B Receptor/LBR antibody ab122919

★★★★☆ [2 Abreviews](#) [7 References](#) [画像数 2](#)

### 製品の概要

製品名	Anti-Lamin B Receptor/LBR antibody
製品の詳細	Rabbit polyclonal to Lamin B Receptor/LBR
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IP, ICC/IF
種交差性	<b>交差種:</b> Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	<p>pH: 6</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine)</p> <p>Ammonium sulphate - trace.</p>
精製度	Immunogen affinity purified
特記事項(精製)	ab122919 is affinity purified using recombinant immunogen.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

## The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab122919の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.
ICC/IF	★★★★☆ (2)	Use at an assay dependent concentration.

## ターゲット情報

### 機能

Anchors the lamina and the heterochromatin to the inner nuclear membrane.

### 関連疾患

Defects in LBR are a cause of Pelger-Huet anomaly (PHA) [MIM:169400]. PHA is an autosomal dominant inherited abnormality of neutrophils, characterized by reduced nuclear segmentation and an apparently looser chromatin structure. Heterozygotes show hypolobulated neutrophil nuclei with coarse chromatin. Presumed homozygous individuals have ovoid neutrophil nuclei, as well as varying degrees of developmental delay, epilepsy, and skeletal abnormalities.

Defects in LBR are the cause of hydrops-ectopic calcification-moth-eaten skeletal dysplasia (HEM) [MIM:215140]; also known as Greenberg skeletal dysplasia. HEM is a rare autosomal recessive chondrodystrophy characterized by early in utero lethality and, therefore, considered to be nonviable. Affected fetuses typically present with fetal hydrops, short-limbed dwarfism, and a marked disorganization of chondro-osseous calcification and may present with polydactyly and additional nonskeletal malformations.

Defects in LBR may be a cause of Reynolds syndrome (REYNS) [MIM:613471]. It is a syndrome specifically associating limited cutaneous systemic sclerosis and primary biliary cirrhosis. It is characterized by liver disease, telangiectasia, abrupt onset of digital paleness or cyanosis in response to cold exposure or stress (Raynaud phenomenon), and variable features of scleroderma. The liver disease is characterized by pruritis, jaundice, hepatomegaly, increased serum alkaline phosphatase and positive serum mitochondrial autoantibodies, all consistent with primary biliary cirrhosis.

### 配列類似性

Belongs to the ERG4/ERG24 family.

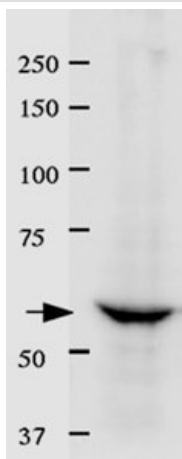
### 翻訳後修飾

Phosphorylated by CDK1 protein kinase in mitosis when the inner nuclear membrane breaks down into vesicles that dissociate from the lamina and the chromatin. It is phosphorylated by different protein kinases in interphase when the membrane is associated with these structures. Phosphorylation of LBR and HP1 proteins may be responsible for some of the alterations in chromatin organization and nuclear structure which occur at various times during the cell cycle.

### 細胞内局在

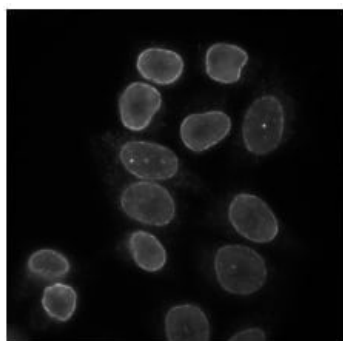
Nucleus inner membrane.

## 画像



Immunoprecipitation - Anti-Lamin B Receptor/LBR antibody (ab122919)

Identification of Lamin B Receptor/LBR in crude extract of HeLa cells by immuno-precipitation using ab122919, followed by Western blotting.



Immunocytochemistry/ Immunofluorescence - Anti-Lamin B Receptor/LBR antibody (ab122919)

Indirect immuno-fluorescence staining of HeLa cells using ab122919.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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