

### Anti-PLOD3 antibody ab89263

★★★★★ [2 Abreviews](#) [3 References](#) [画像数 3](#)

#### 製品の概要

製品名	Anti-PLOD3 antibody
製品の詳細	Mouse polyclonal to PLOD3
由来種	Mouse
アプリケーション	<b>適用あり:</b> WB, ICC/IF
種交差性	<b>交差種:</b> Human
免疫原	Recombinant full length protein within Human PLOD3. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><a href="#">contact</a></b> our Scientific Support team to discuss your requirements.
ポジティブ・コントロール	HepG2 cell lysate, PLOD3 transfected 293T cell lysate and HeLa cell
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	pH: 7.40 Constituent: 100% PBS
精製度	Protein A purified
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ab89263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
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 85 kDa.
ICC/IF	★★★★★ (1)	Use a concentration of 10 µg/ml.

## ターゲット情報

### 機能

Forms hydroxylysine residues in -Xaa-Lys-Gly- sequences in collagens. These hydroxylysines serve as sites of attachment for carbohydrate units and are essential for the stability of the intermolecular collagen cross-links.

### 関連疾患

Defects in PLOD3 are the cause of lysyl hydroxylase 3 deficiency (LH3 deficiency) [MIM:612394]; also known as bone fragility with contractures arterial rupture and deafness. LH3 deficiency is a connective tissue disorder. The syndrome is characterized by congenital malformations severely affecting many tissues and organs and revealing features of several collagen disorders, most of them involving COL2A1 (type II collagen). The findings suggest that the failure of lysyl hydroxylation and hydroxylysyl carbohydrate addition, which affects many collagens, is the molecular basis of this syndrome.

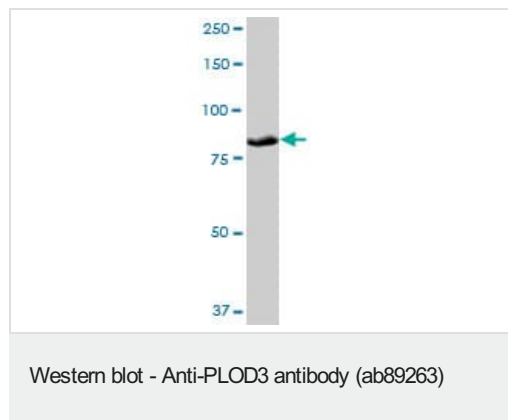
### 配列類似性

Contains 1 Fe2OG dioxygenase domain.

### 細胞内局在

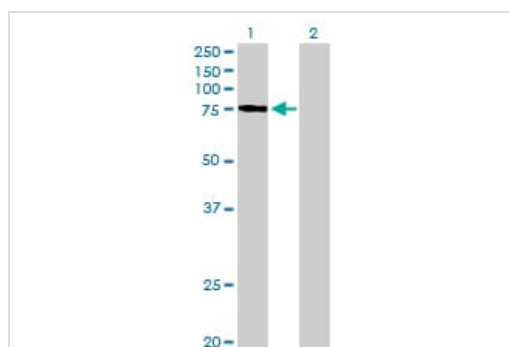
Rough endoplasmic reticulum membrane.

## 画像



Anti-PLOD3 antibody (ab89263) at 5 µg/ml + HepG2 cel lysate at 50 µg

**Predicted band size:** 85 kDa



Western blot - Anti-PLOD3 antibody (ab89263)

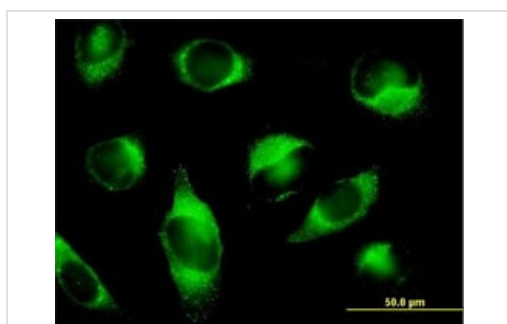
**All lanes :** Anti-PLOD3 antibody (ab89263) at 5 µg/ml

**Lane 1 :** PLOD3 transfected 293T cell lysate

**Lane 2 :** Non-transfected lysate

Lysates/proteins at 50 µg per lane.

**Predicted band size:** 85 kDa



Immunocytochemistry/ Immunofluorescence - Anti-PLOD3 antibody (ab89263)

ab89263 at 10µg/ml staining PLOD3 on HeLa cell by immunofluorescence

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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