

# Anti-PLOD2/LH2 antibody ab72939

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## 概述

产品名称	Anti-PLOD2/LH2抗体
描述	小鼠多克隆抗体to PLOD2/LH2
宿主	Mouse
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Human
免疫原	Recombinant full length protein within Human PLOD2/LH2 aa 1-800. 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 <a href="#">contact</a> our Scientific Support team to discuss your requirements. NP_891988.1

## 常规说明

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.

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&As

## 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Constituent: 100% PBS
纯度	Protein A purified
克隆	多克隆
同种型	IgG

## 应用

The Abpromise guarantee

**Abpromise™** 承诺保证使用ab72939于以下的经测试应用

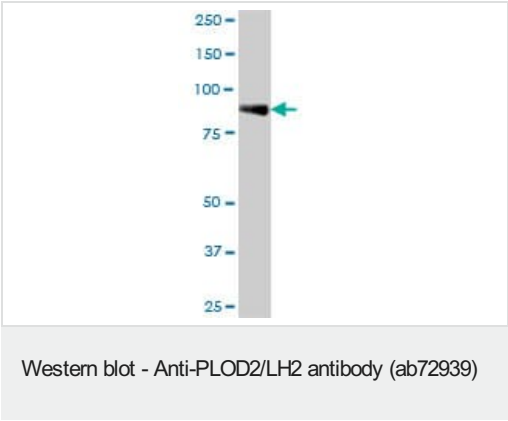
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 85 kDa (predicted molecular weight: 85 kDa).
ICC/IF		Use a concentration of 10 µg/ml.

靶标

功能	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.
组织特异性	Highly expressed in pancreas and muscle. Isoform 1 and isoform 2 are expressed in the majority of the examined cell types. Isoform 2 is specifically expressed in skin, lung, dura and aorta.
疾病相关	Defects in PLOD2 are the cause of Bruck syndrome type 2 (BRKS2) [MIM:609220]. Bruck syndrome, also known as osteogenesis imperfecta with congenital joint contractures, is an autosomal recessive disease characterized by generalized osteopenia, joint contractures at birth, fragile bones and short stature. It can be distinguished from osteogenesis imperfecta by the absence of hearing loss and dentinogenesis imperfecta, and by the presence of clubfoot and congenital joint limitations. The molecular defect is an aberrant cross-linking of bone collagen, due to underhydroxylation of lysine residues within the telopeptides of type I collagen, whereas the lysine residues in the triple helix are normal.
序列相似性	Contains 1 Fe2OG dioxygenase domain.
细胞定位	Rough endoplasmic reticulum membrane.

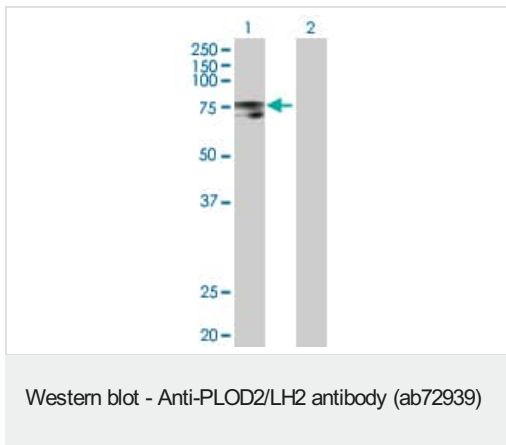
图片



Anti-PLOD2/LH2 antibody (ab72939) at 1 µg/ml + human kidney tissue lysate at 25 µg

**Secondary**  
Goat anti-mouse IgG (H&L)-HRP conjugate at 1/2500 dilution

**Predicted band size:** 85 kDa  
**Observed band size:** 85 kDa



**All lanes :** Anti-PLOD2/LH2 antibody (ab72939) at 1 µg/ml

**Lane 1 :** PLOD2/LH2 transfected 293T cell lysate

**Lane 2 :** Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

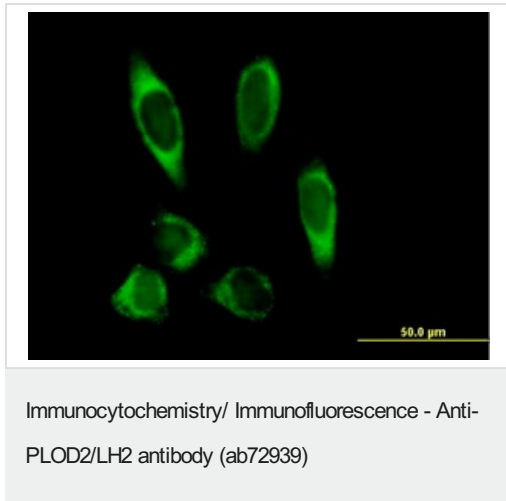
#### Secondary

**All lanes :** Goat anti-mouse IgG (H&L)-HRP conjugate at 1/2500 dilution

**Predicted band size:** 85 kDa

**Observed band size:** 75 kDa

**Additional bands at:** 70 kDa. We are unsure as to the identity of these extra bands.



ab72939, at 10µg/ml, staining PLOD2/LH2 in Hela cells by immunofluorescence.

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

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