


Anti-BMPER antibody ab73900

★★★★★ [1 Abreviews](#) [2 图像](#)

概述

| | |
|-------|---|
| 产品名称 | Anti-BMPER抗体 |
| 描述 | 兔多克隆抗体to BMPER |
| 宿主 | Rabbit |
| 经测试应用 | 适用于: ICC/IF, WB |
| 种属反应性 | 与反应: Mouse 预测可用于: Rat, Chicken, Cow, Dog, Human, Chimpanzee, Rhesus monkey  |
| 免疫原 | Synthetic peptide corresponding to Mouse BMPER aa 500-600 conjugated to keyhole limpet haemocyanin. (Peptide available as ab74993) |
| 常规说明 | <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&As</p> |

性能

| | |
|------|--|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help. |
| 纯度 | Immunogen affinity purified |
| 克隆 | 多克隆 |

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab73900于以下的经测试应用

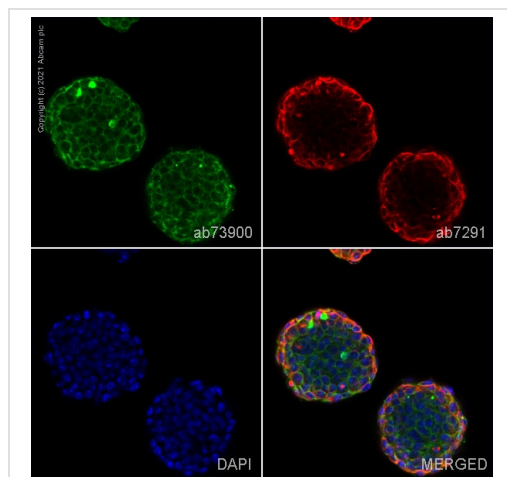
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|--------|------|--|
| ICC/IF | | Use a concentration of 1 µg/ml. |
| WB | | Use a concentration of 1 µg/ml. Detects a band of approximately 75,110 kDa (predicted molecular weight: 76 kDa). |

靶标

| | |
|-------|---|
| 功能 | Inhibitor of bone morphogenetic protein (BMP) function, it may regulate BMP responsiveness of osteoblasts and chondrocytes. |
| 组织特异性 | Highly expressed in lung, and brain and also in primary chondrocytes. |
| 疾病相关 | Defects in BMPER are the cause of diaphanospondylodysostosis (DSD) [MIM:608022]. A rare, recessively inherited, perinatal lethal skeletal disorder. The primary skeletal characteristics of the phenotype include a small chest, abnormal vertebral segmentation, and posterior rib gaps containing incompletely differentiated mesenchymal tissue. Consistent craniofacial features include ocular hypertelorism, epicanthal folds, a depressed nasal bridge with a short nose, and low-set ears. The most commonly described extraskeletal finding is nephroblastomatosis with cystic kidneys, but other visceral findings have been described in some cases. |
| 序列相似性 | Contains 1 TIL (trypsin inhibitory-like) domain. Contains 5 VWFC domains. Contains 1 VWFD domain. |
| 细胞定位 | Secreted. |

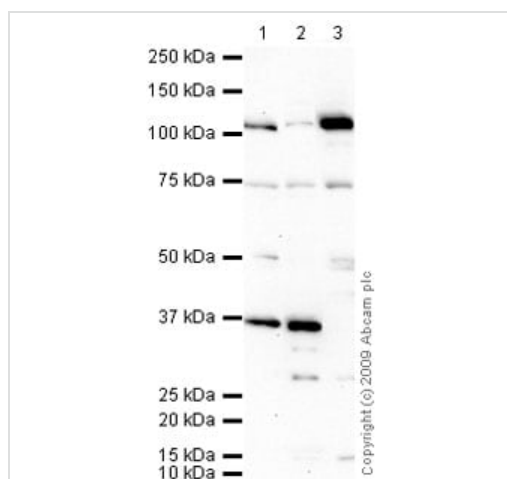
图片



Immunocytochemistry/ Immunofluorescence - Anti-BMPER antibody (ab73900)

ab73900 staining BMPER in mES cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab73900 at 1µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



Western blot - Anti-BMPER antibody (ab73900)

All lanes : Anti-BMPER antibody (ab73900) at 1 µg/ml

Lane 1 : F9 (Mouse embryonic carcinoma cell line) Whole Cell Lysate

Lane 2 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lane 3 : EBS E14 TG2A Day 0 (Mouse Pluripotent Embryonic Stem Cell) Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 76 kDa

Observed band size: 110,75 kDa

Additional bands at: 37 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes

BMPER has a predicted molecular weight of 76 kDa, however it is

extensively glycosylated and has been seen to run in the 100 kDa region (other commercially available antibodies).

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors