

Product datasheet

Anti-BMPR1A antibody ab77022

2 图像

概述

|       |   |
|-------|---|
| 产品名称  | Anti-BMPR1A抗体   |
| 描述    | 小鼠单克隆抗体to BMPR1A  |
| 宿主    | Mouse   |
| 经测试应用 | 适用于: WB, ELISA  |
| 种属反应性 | 与反应: Human  |
| 免疫原   | Recombinant full length protein, corresponding to amino acids 1-533 of Human BMPR1A (AAH28383) with a 26 kDa tag. |
| 阳性对照  | Recombinant full length BMPR1A protein (the immunogen); BMPR1A transfected 293T cell lysate                       |

性能

|      |  |
|------|--|
| 形式   | Liquid   |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |
| 存储溶液 | Preservative: None<br>Constituents: 1X PBS, pH 7.2   |
| 纯度   | Protein A purified   |
| 克隆   | 单克隆  |
| 同种型  | IgG2a  |
| 轻链类型 | kappa  |

应用

Our [Abpromise guarantee](#) covers the use of **ab77022** in the following tested applications.

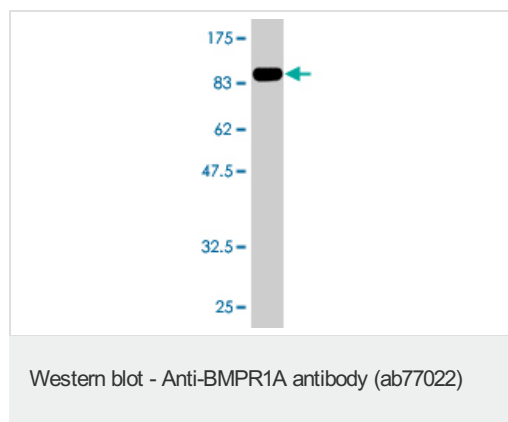
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 应用    | Ab评论 | 说明  |
|-------|------|---|
| WB    |      | Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 60 kDa. |
| ELISA |      | Use at an assay dependent dilution.                                     |

## 靶标

|              |  |
|--------------|--|
| <b>功能</b>    | On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for BMP2, BMP4, GDF5 and GDF6. Positively regulates chondrocyte differentiation through GDF5 interaction. Mediates induction of adipogenesis by GDF6. |
| <b>组织特异性</b> | Highly expressed in skeletal muscle.   |
| <b>疾病相关</b>  | Juvenile polyposis syndrome<br>Polyposis syndrome, mixed hereditary 2<br>A microdeletion of chromosome 10q23 involving BMPR1A and PTEN is a cause of chromosome 10q23 deletion syndrome, which shows overlapping features of the following three disorders: Bannayan-Zonana syndrome, Cowden disease and juvenile polyposis syndrome.  |
| <b>序列相似性</b> | Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.<br>Contains 1 GS domain.<br>Contains 1 protein kinase domain.   |
| <b>细胞定位</b>  | Membrane.  |

## 图片



Anti-BMPR1A antibody (ab77022) at 5 µg/ml  
+ recombinant full length BMPR1A protein (the immunogen) at 0.2 µg

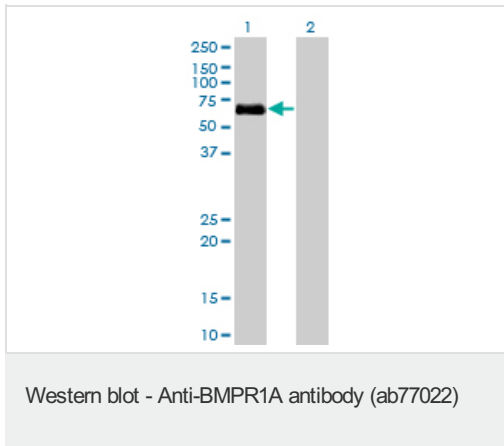
### Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at  
1/5000 dilution

**Predicted band size:** 60 kDa

**Observed band size:** 86 kDa

Note: Molecular weight of the tag alone is 26 kDa.



**All lanes** : Anti-BMPR1A antibody (ab77022)

at 5 µg/ml

**Lane 1** : BMPR1A 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:** 60 kDa

**Observed band size:** 60 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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