

Anti-Osteoprotegerin antibody [98A1071] ab11994

8 References [1 图像](#)

概述

| | |
|--------------|---|
| 产品名称 | Anti-Osteoprotegerin抗体[98A1071] |
| 描述 | 小鼠单克隆抗体[98A1071] to Osteoprotegerin |
| 宿主 | Mouse |
| 经测试应用 | 适用于: WB |
| 种属反应性 | 与反应: Human |
| 免疫原 | Synthetic peptide, corresponding to amino acids 20-37 of Osteoprotegerin. (Human). |
| 阳性对照 | Daudi whole-cell extract. |
| 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). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | Preservative: 0.05% Sodium azide Constituents: 0.02% Gelatin, PBS |
| 纯度 | Affinity purified |
| 克隆 | 单克隆 |
| 克隆编号 | 98A1071 |
| 同种型 | IgG1 |

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab11994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 - 2 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 48.1 kDa). For optimal results, primary antibody incubations should be performed at room temperature. |

靶标

| | |
|-------|---|
| 功能 | Acts as decoy receptor for RANKL and thereby neutralizes its function in osteoclastogenesis. Inhibits the activation of osteoclasts and promotes osteoclast apoptosis in vitro. Bone homeostasis seems to depend on the local RANKL/OPG ratio. May also play a role in preventing arterial calcification. May act as decoy receptor for TRAIL and protect against apoptosis. TRAIL binding blocks the inhibition of osteoclastogenesis. |
| 组织特异性 | Highly expressed in adult lung, heart, kidney, liver, spleen, thymus, prostate, ovary, small intestine, thyroid, lymph node, trachea, adrenal gland, testis, and bone marrow. Detected at very low levels in brain, placenta and skeletal muscle. Highly expressed in fetal kidney, liver and lung. |
| 疾病相关 | Defects in TNFRSF11B are the cause of juvenile Paget disease (JPD) [MIM:239000]; also known as hyperostosis corticalis deformans juvenilis or hereditary hyperphosphatasia or chronic congenital idiopathic hyperphosphatasia. JPD is a rare autosomal recessive osteopathy that presents in infancy or early childhood. The disorder is characterized by rapidly remodeling woven bone, osteopenia, debilitating fractures, and deformities due to a markedly accelerated rate of bone remodeling throughout the skeleton. Approximately 40 cases of JPD have been reported worldwide. Unless it is treated with drugs that block osteoclast-mediated skeletal resorption, the disease can be fatal. |
| 序列相似性 | Contains 2 death domains. Contains 4 TNFR-Cys repeats. |
| 翻译后修饰 | N-glycosylated. Contains sialic acid residues. The N-terminus is blocked. |
| 细胞定位 | Secreted. |

图片

MW
(kDa)
116 —
97 —
68 —
55 —
38 —
31 —
21 —
14 —
8 —

Western blot - Anti-Osteoprotegerin antibody
[98A1071] (ab11994)

OPG detection by Western blot. The analysis of Daudi cell extract for OPG using a dilution of 2 µg/ml. The immunoreactivity was detected by enhanced chemiluminescence.

OPG detection by Western blot. The analysis of Daudi cell extract for OPG using a dilution of 2 µg/ml. The immunoreactivity was detected by enhanced chemiluminescence.

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