abcam

Product datasheet

Anti-Osteoprotegerin antibody [98A1071] ab11994

2 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
特异性	ab11994 detects human osteoprotegerin.
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.

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

Our Abpromise guarantee covers the use of **ab11994** 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

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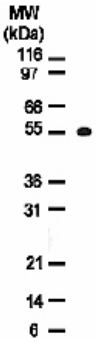
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 55 kDa (predicted molecular weight: 48.1 kDa). For optimal results, primary antibody incubations should be performed at room temperature.

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



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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