abcam

Product datasheet

Anti-Osteoprotegerin antibody [bony-1] ab18051

1 图像

概述

产品名称	Anti-Osteoprotegerin抗体[bony-1]
描述	大鼠单克隆抗体[bony-1] to Osteoprotegerin
宿主	Rat
特异性	Recognizes human OPG
经测试应用	**适用于:** Flow Cyt
种属反应性	**与反应:** Human
免疫原	Recombinant fragment, corresponding to amino acids 22-202 of Human Osteoprotegerin.
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 and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Proprietary Purification
纯化说明	Purified from concentrated hybridoma tissue culture supernatant.
克隆	单克隆
克隆编号	bony-1
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab18051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
Flow Cyt		1/1000. **ab18450** - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

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.

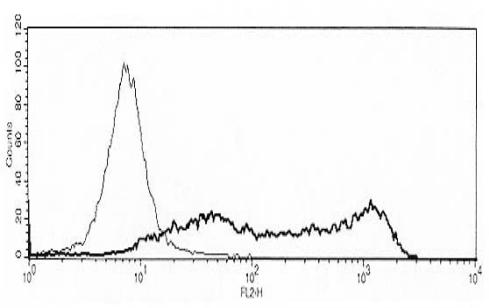
疾病相关 Defects in TNFRSF11B are the cause of juvenile Paget disease (JPD) [MIM:239000]; also known as hyperostosis corticalis deformans juvenilis or hereditary hyperphosphatasia or chronic congenital idiopathic hyperphosphatasia. JPD is a rare autosomal recessive osteopathy that presents in infancy or 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



Flow Cytometry - Anti-Osteoprotegerin antibody [bony-1] (ab18051)

FACS analysis of cells with ab18051.
HEK 293T cells (5 x 10^5) were mock transfected (thin line) or transfected with an expression plasmid enabling surface expression of the TNFR homology domain of human OPG (thick line). Cells were incubated on ice for 30 min in 50µl FACS buffer (PBS, 5% fetal calf serum, 0.02% azide)
containing 1µg/ml of ab18051. After washing in FACS buffer, R-PE-conjugated antibody to rat IgG was added. Cells were incubated on ice for 30 min, washed and then analyzed by Flow Cytometry.

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

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