abcam

Product datasheet

Anti-Osteoprotegerin antibody [MM0504-7D37] ab89895

製品の概要

製品名	Anti-Osteoprotegerin antibody [MM0504-7D37]
製品の詳細	Mouse monoclonal [MM0504-7D37] to Osteoprotegerin
アプリケーション	**適用あり:** WB, Neutralising
種交差性	**交差種:** Human
免疫原	Recombinant full length protein Human TNFRSF11B

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None Constituents: PBS
精製度	Protein G purified
特記事項（精製）	The IgG fraction of culture supernatant was purified by Protein G affinity chromatography and filtered through a 0.2 µm filter.
ポリ/モノ	モノクローナル
クローン名	MM0504-7D37
アイソタイプ	IgG1

アプリケーション

Our Abpromise guarantee covers the use of **ab89895** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
WB		1/500 - 1/1000. Predicted molecular weight: 46 kDa.
Neutralising		Use at an assay dependent dilution.

ターゲット情報

機能	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.
組織特異性	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.
関連疾患	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.
配列類似性	Contains 2 death domains. Contains 4 TNFR-Cys repeats.
翻訳後修飾	N-glycosylated. Contains sialic acid residues. The N-terminus is blocked.
細胞内局在	Secreted.