abcam

Product datasheet

Anti-RANK antibody [64C1385] ab13918

★★★★☆ 1 Abreviews 23 References 画像数 3

製品の概要

製品名	Anti-RANK antibody [64C1385]
製品の詳細	Mouse monoclonal [64C1385] to RANK
由来種	Mouse
アプリケーション	**適用あり:** IHC-P, IP
種交差性	**交差種:** Mouse, Human
免疫原	Recombinant fragment within Human RANK. The exact sequence is proprietary. Recombinant fragment containing the extracellular domain (amino acids 33-208) of human RANK.
ポジティブ・コントロール	WB: RAW (a mouse macrophage monocyte). IHC-P: Human T cell lymphoma and skin tissues.
特記事項	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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	64C1385
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab13918の使用に適用されます

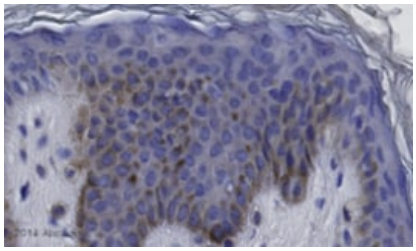
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★☆ (1)	Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
IP		Use a concentration of 1 - 2 µg/ml.

ターゲット情報

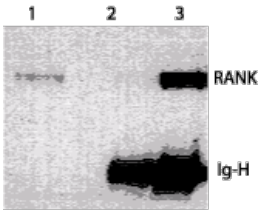
機能	Receptor for TNFSF11/RANKL/TRANCE/OPGL; essential for RANKL-mediated osteoclastogenesis. Involved in the regulation of interactions between T-cells and dendritic cells.
組織特異性	Ubiquitous expression with high levels in skeletal muscle, thymus, liver, colon, small intestine and adrenal gland.
関連疾患	Defects in TNFRSF11A are the cause of familial expansile osteolysis (FEO) [MIM:174810]. FEO is a rare autosomal dominant bone disorder characterized by focal areas of increased bone remodeling. The osteolytic lesions develop usually in the long bones during early adulthood. FEO is often associated with early onset deafness and loss of dentition. Defects in TNFRSF11A are a cause of Paget disease of bone type 2 (PDB2) [MIM:602080]; also known as familial Paget disease of bone. PDB2 is a bone-remodeling disorder with clinical similarities to FEO. Unlike FEO, however, affected individuals have involvement of the axial skeleton with lesions in the spine, pelvis and skull. Defects in TNFRSF11A are the cause of osteopetrosis autosomal recessive type 7 (OPTB7) [MIM:612301]; also called osteoclast-poor osteopetrosis with hypogammaglobulinemia. Osteopetrosis is a rare genetic disease characterized by abnormally dense bone, due to defective resorption of immature bone. The disorder occurs in two forms: a severe autosomal recessive form occurring in utero, infancy, or childhood, and a benign autosomal dominant form occurring in adolescence or adulthood. OPTB7 is characterized by paucity of osteoclasts, suggesting a molecular defect in osteoclast development. OPTB7 is associated with hypogammaglobulinemia.
配列類似性	Contains 4 TNFR-Cys repeats.
細胞内局在	Membrane.

画像



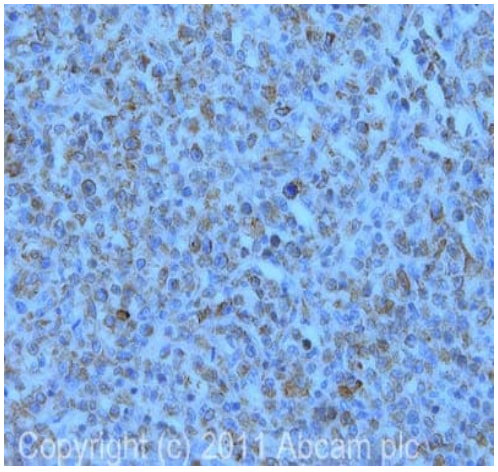
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RANK antibody [64C1385] (ab13918)

Formaldehyde-fixed, paraffin-embedded human skin tissue stained for RANK using ab13918 at 1/50 dilution in immunohistochemical analysis.



Immunoprecipitation - Anti-RANK antibody [64C1385] (ab13918)

Detection of RANK in RAW cells. Lane 1: mouse cell line. Lane 2 & 3: IP/Western blot analysis of RANK. RANK protein from RAW cell lysate was immunoprecipitated either with control antibody (lane 2) or ab13918 (lane 3), and detected with ab13918.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RANK antibody [64C1385] (ab13918)

IHC image of ab13918 staining in human t cell lymphoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond^{TM} system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab13918, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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