

Anti-RANKL antibody [12A668] - BSA and Azide free ab45039

★★★★★ [2 Abreviews](#) [67 References](#) [画像数 5](#)

製品の概要

製品名	Anti-RANKL antibody [12A668] - BSA and Azide free
製品の詳細	Mouse monoclonal [12A668] to RANKL - BSA and Azide free
由来種	Mouse
アプリケーション	適用あり: ICC/IF, WB, IHC-P 適用なし: Flow Cyt
種交差性	交差種: Human
免疫原	Recombinant full length protein corresponding to Mouse RANKL aa 1-317. Database link: Q14788
ポジティブ・コントロール	IHC-P: Human lymph node and liver tissue. ICC/IF: HeLa (human epithelial cell line from cervix adenocarcinoma) cells. WB: Human lymph node lysate.
特記事項	<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>

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 long term.
バッファー	pH: 7.40 Constituent: PBS
キャリア・フリー	はい
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	12A668
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ab45039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
ICC/IF		Use a concentration of 10 µg/ml.
WB	★★★★★ (1)	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 35 kDa (predicted molecular weight: 35 kDa).
IHC-P	★★★★★ (1)	Use a concentration of 1 - 5 µg/ml.

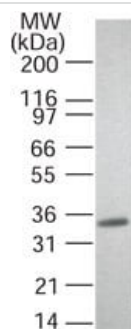
追加情報

Is unsuitable for Flow Cyt.

ターゲット情報

機能	Cytokine that binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. Osteoclast differentiation and activation factor. Augments the ability of dendritic cells to stimulate naive T-cell proliferation. May be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. May also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.
組織特異性	Highest in the peripheral lymph nodes, weak in spleen, peripheral blood Leukocytes, bone marrow, heart, placenta, skeletal muscle, stomach and thyroid.
関連疾患	Defects in TNFSF11 are the cause of osteopetrosis autosomal recessive type 2 (OPTB2) [MIM:259710]; also known as osteoclast-poor osteopetrosis. 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. Autosomal recessive osteopetrosis is usually associated with normal or elevated amount of non-functional osteoclasts. OPTB2 is characterized by paucity of osteoclasts, suggesting a molecular defect in osteoclast development.
配列類似性	Belongs to the tumor necrosis factor family.
翻訳後修飾	The soluble form of isoform 1 derives from the membrane form by proteolytic processing (By similarity). The cleavage may be catalyzed by ADAM17.
細胞内局在	Cytoplasm; Secreted and Cell membrane.

画像

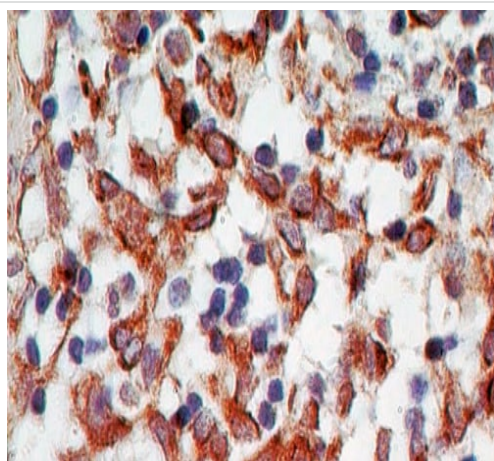


Western blot - Anti-RANKL antibody [12A668] - BSA and Azide free (ab45039)

Anti-RANKL antibody [12A668] - BSA and Azide free (ab45039) at 2 μ g + transfected cell lysate

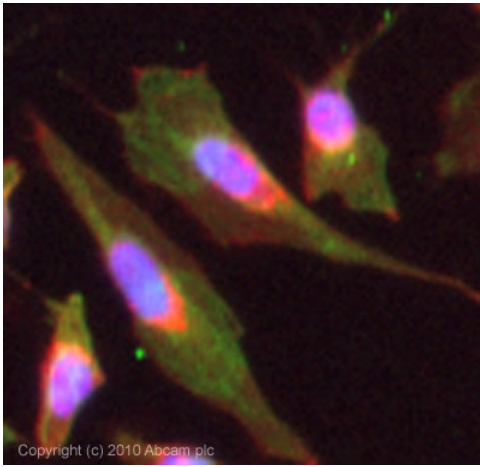
Predicted band size: 35 kDa

Observed band size: 35 kDa



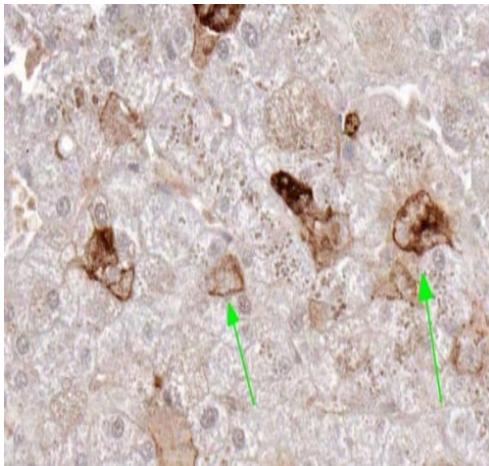
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RANKL antibody [12A668] - BSA and Azide free (ab45039)

Paraffin embedded human lymph node tissue stained for RANKL with ab45039 at 5 μ g/ml.



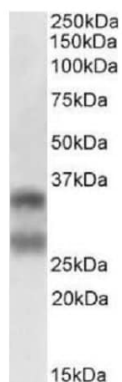
Immunocytochemistry/ Immunofluorescence - Anti-RANKL antibody [12A668] - BSA and Azide free (ab45039)

ICC/IF image of ab45039 stained HeLa cells. The cells were 4% formaldehyde fixed (10 minutes) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1 hour to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab45039, 10 µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1 hour. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1 hour. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43 µM.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RANKL antibody [12A668] - BSA and Azide free (ab45039)

Paraffin embedded human liver tissue stained for RANKL with ab45039 at a 1/500 dilution. Peroxidase-conjugate and DAB chromogen. A 2 hour incubation at RT was used.



Western blot - Anti-RANKL antibody [12A668] - BSA and Azide free (ab45039)

Anti-RANKL antibody [12A668] - BSA and Azide free (ab45039) at 0.5 µg/ml + human lymph node lysate in RIPA buffer at 35 µg

Predicted band size: 35 kDa

Additional bands at: 28 kDa (possible isoform)

Band detected at ~35kDa and ~28kDa. (Expected MW of 35.5kDa according to NP_003692.1 and of 27.7kDa according to NP_143026.1)

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