abcam

Product datasheet

Anti-RANK antibody [EPR26196-15] - BSA and Azide free ab305234

重组　RabMAb

6 图像

概述

产品名称	Anti-RANK抗体[EPR26196-15] - BSA and Azide free
描述	兔单克隆抗体[EPR26196-15] to RANK - BSA and Azide free
宿主	Rabbit
特异性	KO validation is still required when KO cell line or lysates become available.
经测试应用	**适用于:** WB **不适用于:** Flow Cyt (Intra),ICC/IF,IHC-P or IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HT-29, SW480, HCT 116, C2C12, Mouse brain, Mouse thymus, K-562, RAW 264.7, Rat thymus, Rat spleen, K-562 non-membrane fraction, K-562 membrane fraction, PC-3 (fresh), MCF7 (fresh), PC-3 (frozen) and MCF7 (frozen) lysates
常规说明	ab305234 is the carrier-free version of **ab305233**

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	pH: 7.20 Constituent: 100% PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR26196-15
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab305234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
WB		Use at an assay dependent concentration. Predicted molecular weight: 80 kDa.

应用说明	Is unsuitable for Flow Cyt (Intra),ICC/IF,IHC-P or IP.

靶标

功能	Receptor for TNFSF11/RANKL/TRANCE/OPGL; essential for RANKL-mediated osteoclastogenesis. Involved in the regulation of interactions between T-cells and dendritic cells.
组织特异性	Ubiquitous expression with high levels in skeletal muscle, thymus, liver, colon, small intestine and adrenal gland.
疾病相关	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.
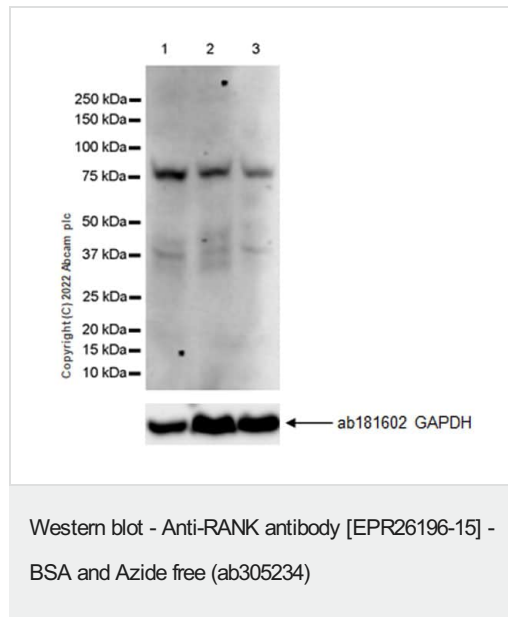
序列相似性	Contains 4 TNFR-Cys repeats.
细胞定位	Membrane.

图片

Western blot - Anti-RANK antibody [EPR26196-15] - BSA and Azide free (ab305234)

All lanes : Anti-RANK antibody [EPR26196-15] (**ab305233**) at 1/1000 dilution

Lane 1 : HT-29 (human colorectal adenocarcinoma epithelial cell) whole cell lysate 20 µg

Lane 2 : SW480 (human colorectal adenocarcinoma epithelial cell) whole cell lysate 20 µg

Lane 3 : HCT 116 (human colorectal carcinoma epithelial cell) whole cell lysate 20 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20000 dilution

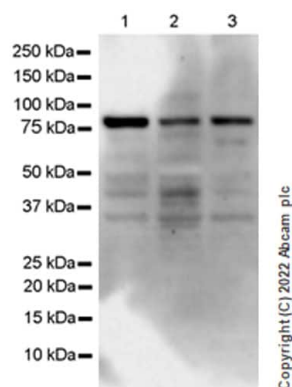**Predicted band size:** 80 kDa
Observed band size: 80 kDa

This data was developed using **ab305233**, the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Low expression: SW480, HCT 116 (PMID:33795653).
This blot was developed using a high sensitivity ECL substrate.

Exposure time: 3 minutes

Western blot - Anti-RANK antibody [EPR26196-15] - BSA and Azide free (ab305234)

All lanes : Anti-RANK antibody [EPR26196-15] (**ab305233**) at 1/1000 dilution

Lane 1 : C2C12 (mouse myoblast) whole cell lysate 20 µg

Lane 2 : Mouse brain tissue lysate 20 µg

Lane 3 : Mouse thymus tissue lysate 20 µg

Secondary

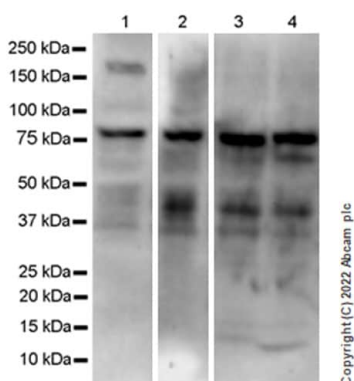**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20000 dilution

Predicted band size: 80 kDa

This data was developed using **ab305233**, the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST

This blot was developed using a high sensitivity ECL substrate.

Exposure time: 3 minutes

Western blot - Anti-RANK antibody [EPR26196-15] - BSA and Azide free (ab305234)

All lanes : Anti-RANK antibody [EPR26196-15] (**ab305233**) at 1/1000 dilution

Lane 1 : K-562 (human chronic myelogenous leukemia lymphoblast) whole cell lysate 20 µg

Lane 2 : RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate 20 µg

Lane 3 : Rat thymus tissue lysate 20 µg

Lane 4 : Rat spleen tissue lysate 20 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20000 dilution
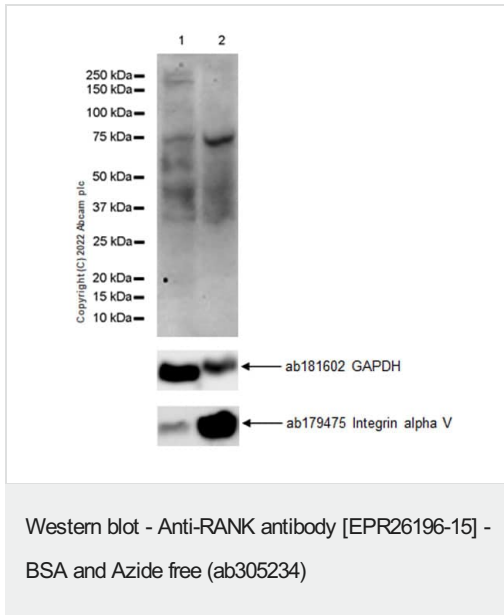
Predicted band size: 80 kDa

Observed band size: 80 kDa

This data was developed using **ab305233**, the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST

This blot was developed using a high sensitivity ECL substrate.

Exposure time: 3 minutes

Western blot - Anti-RANK antibody [EPR26196-15] - BSA and Azide free (ab305234)

All lanes : Anti-RANK antibody [EPR26196-15] (**ab305233**) at 1/1000 dilution

Lane 1 : K-562 (human chronic myelogenous leukemia lymphoblast) non-membrane fraction 20 µg

Lane 2 : K-562 membrane fraction 20 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/20000 dilution

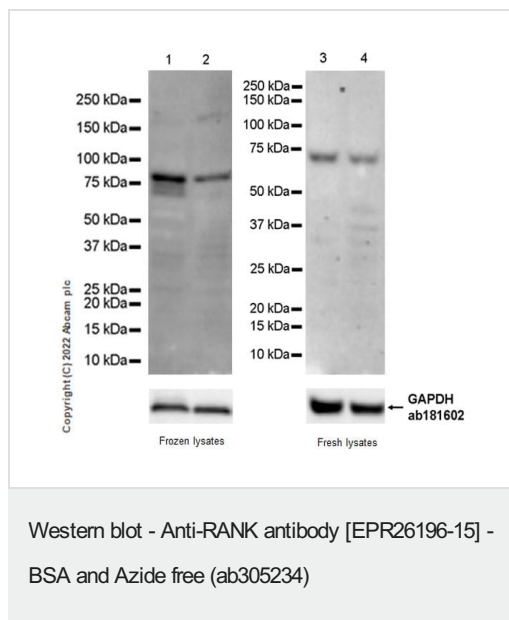**Predicted band size:** 80 kDa

Observed band size: 80 kDa

Exposure time: 3 minutes

This data was developed using **ab305233**, the same antibody clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST

This blot was developed using a high sensitivity ECL substrate.

Exposure time: 3 minutes

Western blot - Anti-RANK antibody [EPR26196-15] -
BSA and Azide free (ab305234)

All lanes : Anti-RANK antibody [EPR26196-15] (**ab305233**) at
1/1000 dilution

Lanes 1 & 3 : PC-3 (human prostate adenocarcinoma epithelial
cell) whole cell lysate 20 µg

Lanes 2 & 4 : MCF7 (human breast adenocarcinoma epithelial
cell) whole cell lysate 20 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated
(**ab97051**) at 1/20000 dilution

Predicted band size: 80 kDa
Observed band size: 80 kDa

This data was developed using **ab305233**, the same antibody
clone in a different buffer formulation.

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Low expression: MCF7 (PMID: 23696795).

Exposure time:

Lanes 1-2: 92 seconds;
Lanes 3-4: 180 seconds.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-RANK antibody [EPR26196-15] - BSA and

Azide free (ab305234)

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

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