


Product datasheet

Anti-IL-18R1 antibody ab117432

画像数 3

製品の概要

製品名	Anti-IL-18R1 antibody
製品の詳細	Rabbit polyclonal to IL-18R1
由来種	Rabbit
アプリケーション	適用あり: WB, IHC-P
種交差性	交差種: Human 交差が予測される動物種: Chimpanzee, Macaque monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide corresponding to Human IL-18R1 aa 500 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. Database link: Q13478
ポジティブ・コントロール	This antibody gave a positive signal in both Human Spleen and Lung tissue lysates as well as Hodgkin's Lymphoma (Human) Whole Cell Lysate. This antibody gave a positive result in IHC in the following FFPE tissue: Human normal lung.

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 Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab117432** in the following tested applications.

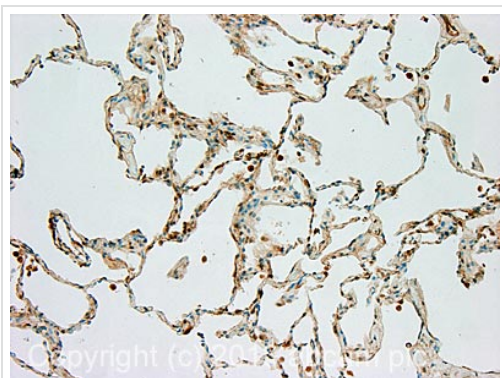
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 62 kDa).
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

機能	Receptor for interleukin 18 (IL-18). Binding to the agonist leads to the activation of NF-kappa-B.
組織特異性	Expressed in lung, leukocytes, spleen, liver, thymus, prostate, small intestine, colon, placenta, and heart, and is absent from brain, skeletal muscle, pancreas, and kidney. High level of expression in Hodgkin disease cell lines.
配列類似性	Belongs to the interleukin-1 receptor family. Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 TIR domain.
細胞内局在	Membrane.

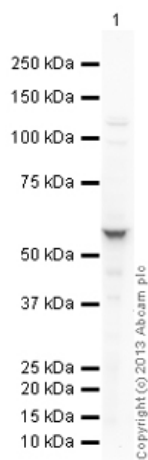
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-IL-18R1 antibody (ab117432)

IHC image of IL18R1 staining in Human normal lung formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ 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 ab117432, 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.



Western blot - Anti-IL-18R1 antibody (ab117432)

Anti-IL-18R1 antibody (ab117432) at 1 µg/ml + Hodgkin's Lymphoma (Human) Whole Cell Lysate - tumor tissue at 10 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 62 kDa

Observed band size: 60 kDa

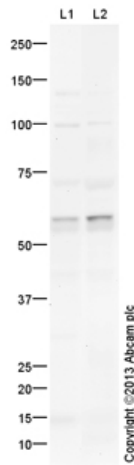
[why is the actual band size different from the predicted?](#)

Exposure time: 2 minutes

The band observed at 60 kDa could potentially be a cleaved form of IL18R1 due to the presence of an 18 amino acid signal peptide.

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes.

The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab117432 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.



Western blot - Anti-IL-18R1 antibody (ab117432)

All lanes : Anti-IL-18R1 antibody (ab117432) at 1 µg/ml

Lane 1 : Spleen (Human) Tissue Lysate - adult normal tissue

Lane 2 : Lung (Human) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 62 kDa

Observed band size: 60 kDa [why is the actual band size different from the predicted?](#)

Exposure time: 8 minutes

The band observed at 60 kDa could potentially be a cleaved form of IL18R1 due to the presence of an 18 amino acid signal peptide.

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes.

The membrane was then blocked for an hour using 5% Bovine Serum Albumin before being incubated with ab117432 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution.

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