

Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] - BSA and Azide free ab203784

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **3 References** 画像数 7

製品の概要

製品名	Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR1899(2)] to JAK1 (phospho Y1034 + Y1035) - BSA and Azide free
由来種	Rabbit
特異性	According to our ELISA result, this antibody preferentially recognizes JAK1 with phospho Y1035, but also recognizes JAK1 with phospho Y1034 if high amount peptides were coated.
アプリケーション	適用あり: ELISA, Dot blot, WB, IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Ramos treated with 1mM pervanadate for 30 minutes whole cell lysate. IHC-P: Human colon adenocarcinoma and liver carcinoma tissue. Dot: JAK1 (pY1034), JAK1 (pY1035) and JAK1 (pY1034/pY1035) phospho peptides. ELISA: JAK1 (pY1034), JAK1 (pY1035) and JAK1 non-phospho peptides.
特記事項	ab203784 is the carrier-free version of ab138005 .

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](#).

Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

製品の特性

製品の状態

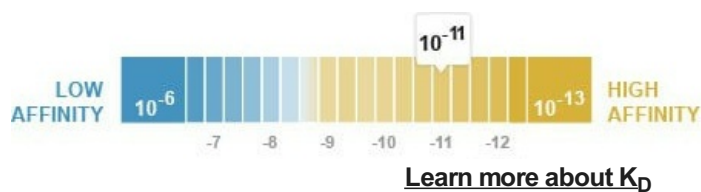
Liquid

保存方法

Shipped at 4°C. Store at +4°C. Do Not Freeze.

解離定数 (K_D 値)

K_D = 1.99 x 10⁻¹¹ M



バッファー

pH: 7.2

Constituent: PBS

キャリア・フリー

はい

精製度

Protein A purified

ポリ/モノ

モノクローナル

クローン名

EPR1899(2)

アイソタイプ

IgG

アプリケーション

The Abpromise guarantee

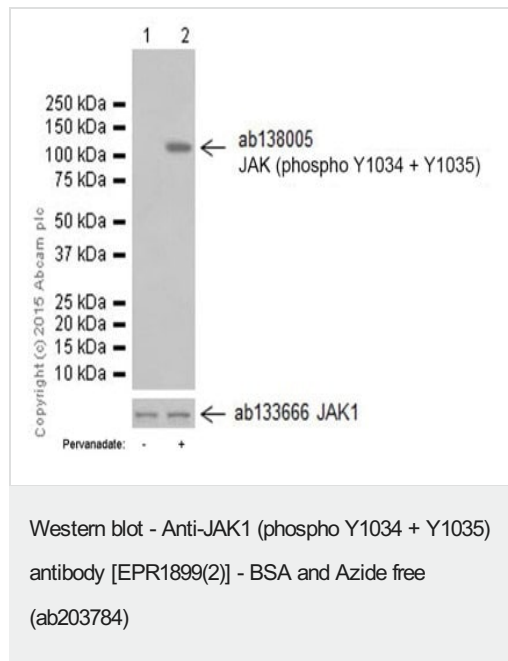
Abpromise保証は、次のテスト済みアプリケーションにおけるab203784の使用に適用されます

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確認ください。

アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent concentration.
Dot blot		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 133 kDa.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See IHC antigen retrieval protocols .

機能	Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway. Kinase partner for the interleukin (IL)-2 receptor.
組織特異性	Expressed at higher levels in primary colon tumors than in normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon tissue.
配列類似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily. Contains 1 FERM domain. Contains 1 protein kinase domain. Contains 1 SH2 domain.
ドメイン	Possesses two phosphotransferase domains. The second one probably contains the catalytic domain (By similarity), while the presence of slight differences suggest a different role for domain 1. The FERM domain mediates interaction with JAKMIP1.
細胞内局在	Endomembrane system. Wholly intracellular, possibly membrane associated.

画像



All lanes : Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] ([ab138005](#)) at 1/500 dilution

Lane 1 : Untreated Ramos whole cell lysate

Lane 2 : Ramos treated with 1mM pervanadate for 30 minutes whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

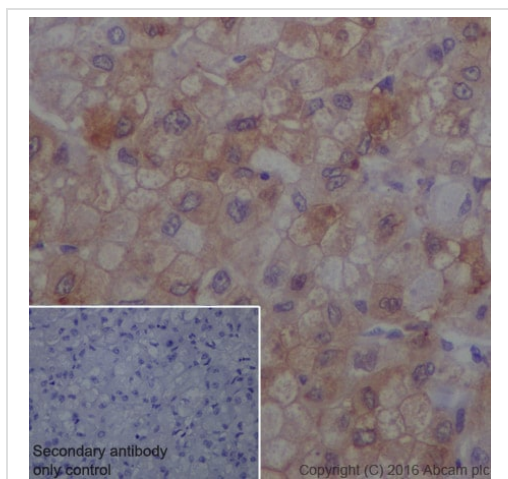
All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 133 kDa

Observed band size: 133 kDa

Blocking and diluting buffer 5% NFDM/TBST.

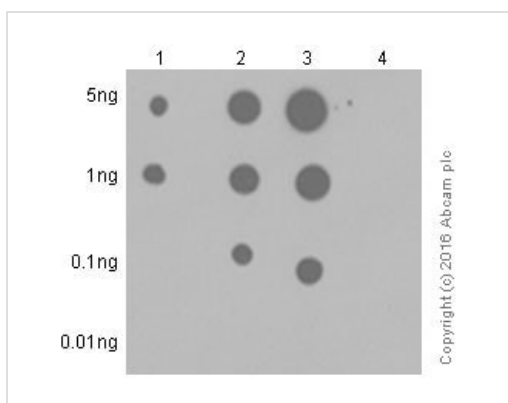
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab138005](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] - BSA and Azide free (ab203784)

Immunohistochemical analysis of paraffin-embedded human liver carcinoma sections labelling JAK1 (phospho Y1034 + Y1035) with purified **ab138005** at dilution of 1/50. The secondary antibody used was ImmunoHistoProbe HRP Polymer for Rabbit IgG at dilution of 1:0. The sample was counterstained with hematoxylin. Antigen retrieval was performed using EDTA Buffer; pH 9.0. PBS was used instead of the primary antibody as the negative control and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab138005**).



Dot Blot - Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] - BSA and Azide free (ab203784)

Primary antibody: 1/1000 (unpurified)

Secondary antibody: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**)

Secondary ab dilution: 1/100,000

Blocking buffer and concentration: 5% NFDM/TBST

Diluting buffer and concentration: 5% NFDM /TBST

Lane 1: JAK1 (pY1034) phospho peptide

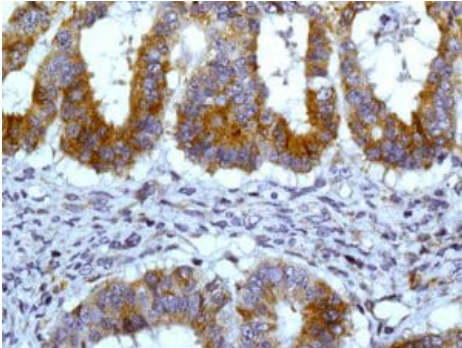
Lane 2: JAK1 (pY1035) phospho peptide

Lane 3: JAK1 (pY1034/pY1035) phospho peptide

Lane 4: JAK1 non-phospho peptide

Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab138005**).

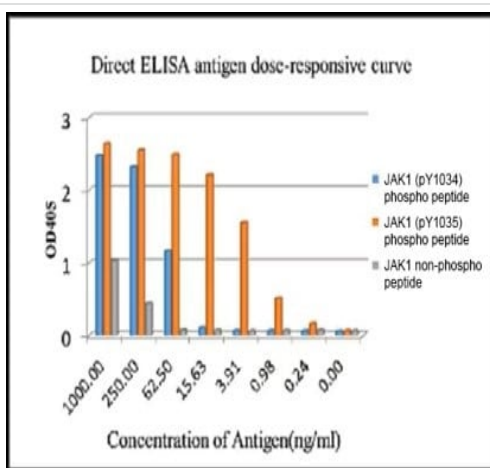


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] - BSA and Azide free (ab203784)

Immunohistochemical analysis of paraffin embedded Human colon adenocarcinoma tissue labelling JAK1 with unpurified **ab138005** antibody at 1/50 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab138005**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



ELISA - Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] - BSA and Azide free (ab203784)

Antigen:

JAK1 (pY1034) phospho peptide

JAK1 (pY1035) phospho peptide

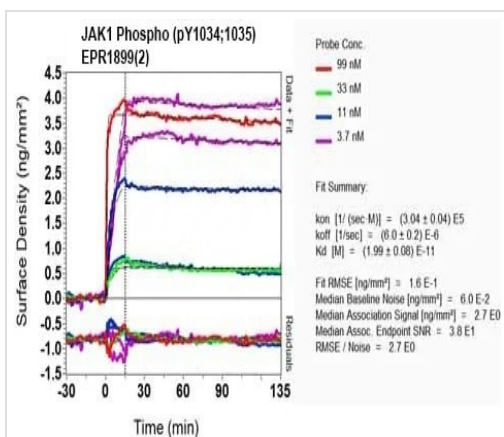
JAK1 non-phospho peptide

Antigen concentration: 0~1000ng/ml

Primary antibody concentration range: 1000ng/ml

Secondary antibody: Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), 1/2500 dilution

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab138005**).



SPR Scanning - Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] - BSA and Azide free (ab203784)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab138005](#)).

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-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] - BSA and Azide free (ab203784)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors