

### Anti-Src (phospho Y419) antibody [EPR6239(2)] ab133460

リコンビナント RabMAb<sup>®</sup>

★★★★★ [2 Abreviews](#) [4 References](#) [画像数 6](#)

#### 製品の概要

製品名	Anti-Src (phospho Y419) antibody [EPR6239(2)]
製品の詳細	Rabbit monoclonal [EPR6239(2)] to Src (phospho Y419)
由来種	Rabbit
特異性	ab133460 is an antibody to Tyr419 (with Met). This is the equivalent as Tyr418 (without Met).
アプリケーション	<b>適用あり:</b> WB <b>適用なし:</b> IHC-P
種交差性	<b>交差種:</b> Rat, 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	A431 cell lysate treated with Pervanadate
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</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. Stable for 12 months at -20°C.
解離定数 (K <sub>D</sub> 値)	K <sub>D</sub> = 5.30 x 10 <sup>-11</sup> M



[Learn more about K<sub>D</sub>](#)

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR6239(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ab133460の使用に適用されず**  
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
WB	★★★★★ (2)	1/1000 - 1/10000. Predicted molecular weight: 60 kDa.

**追加情報** Is unsuitable for IHC-P.

#### ターゲット情報

**機能** Non-receptor protein tyrosine kinase that plays pivotal roles in numerous cellular processes such as proliferation, migration, and transformation. In concert with PTK2B, plays an important role in osteoclastic bone resorption. Both the formation of a SRC-PTK2B complex, and SRC kinase activity are necessary for this function. Once it is recruited to the activated integrins, by PTK2B, it phosphorylates CBL which in turn induces the activation and recruitment of phosphatidylinositol 3-kinase to the cell membrane in a signaling pathway that is critical for osteoclast function. Promotes energy production in osteoclasts by activating mitochondrial cytochrome C oxidase. Phosphorylates RUNX3 and COX2 on tyrosine residues, TNK2 on 'Tyr-284' and CBL on 'Tyr-731'. Enhances DDX58/RIG-I-elicited antiviral signaling.

**配列類似性** Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.

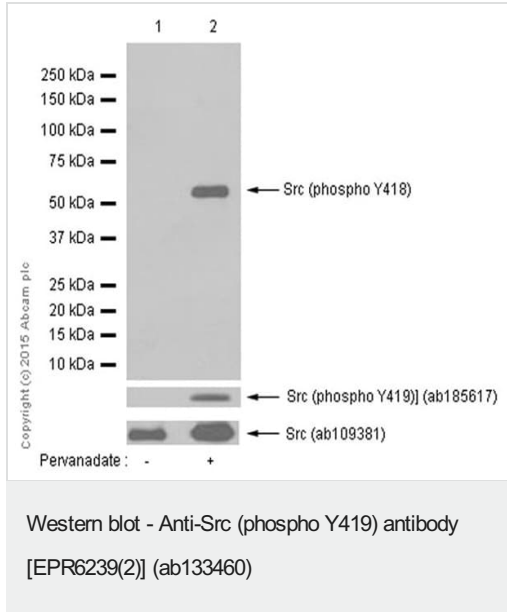
**翻訳後修飾** Dephosphorylated at Tyr-530 by PTPRJ (By similarity). Phosphorylated on Tyr-530 by c-Src kinase (CSK). The phosphorylated form is termed pp60c-src. Dephosphorylated by PTPRJ at Tyr-419. Normally maintained in an inactive conformation with the SH2 domain engaged with Tyr-530, the SH3 domain engaged with the SH2-kinase linker, and Tyr-419 dephosphorylated. Dephosphorylation of Tyr-530 as a result of protein tyrosine phosphatase (PTP) action disrupts the intramolecular interaction between the SH2 domain and Tyr-530, Tyr-419 can then become autophosphorylated, resulting in SRC activation. Phosphorylation of Tyr-530 by CSK allows this interaction to reform, resulting in SRC inactivation. S-nitrosylation is important for activation of its kinase activity.

**細胞内局在** Cell membrane. Mitochondrion inner membrane.

**製品の状態** This protein is known to be similar in amino acid sequence to HCK (P08631), LCK (P06239),

FYN (P06241), YES1 (P07947), and LYN (P07948). Therefore, cross-reactivity with these homologous proteins may be observed. We would be happy to provide immunogen alignment information upon request.

## 画像



**All lanes :** Anti-Src (phospho Y419) antibody [EPR6239(2)] (ab133460) at 1/1000 dilution

**Lane 1 :** Untreated C6 (rat glioma) whole cell lysate

**Lane 2 :** C6 (rat glioma) treated with pervanadate whole cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

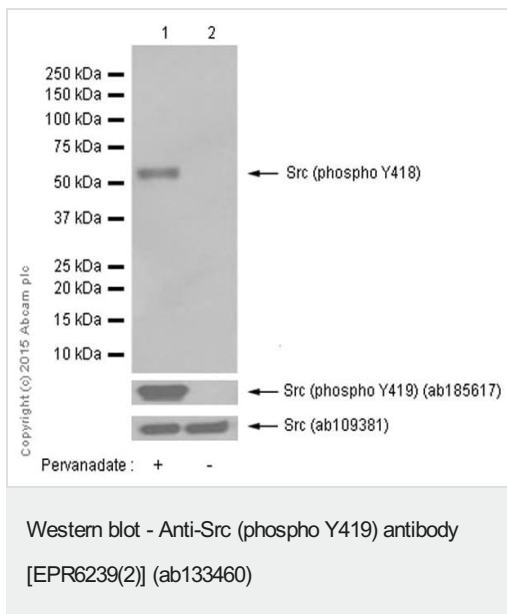
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 60 kDa

Purified format.

Blocking buffer: 5% NFDm/TBST

Diluting buffer: 5% NFDm/TBST



**All lanes :** Anti-Src (phospho Y419) antibody [EPR6239(2)] (ab133460) at 1/1000 dilution

**Lane 1 :** HeLa (human cervix adenocarcinoma) treated with pervanadate whole cell lysate

**Lane 2 :** Untreated HeLa (human cervix adenocarcinoma) treated with pervanadate whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

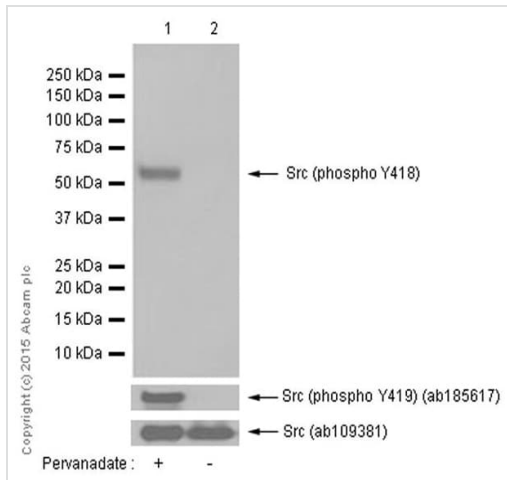
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 60 kDa

Purified format.

Blocking buffer: 5% NFDm/TBST

Diluting buffer: 5% NFDm/TBST



Western blot - Anti-Src (phospho Y419) antibody [EPR6239(2)] (ab133460)

**All lanes** : Anti-Src (phospho Y419) antibody [EPR6239(2)] (ab133460) at 1/1000 dilution

**Lane 1** : A431 (human epidermoid carcinoma) treated with pervanadate whole cell lysate

**Lane 2** : Untreated A431 (human epidermoid carcinoma) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

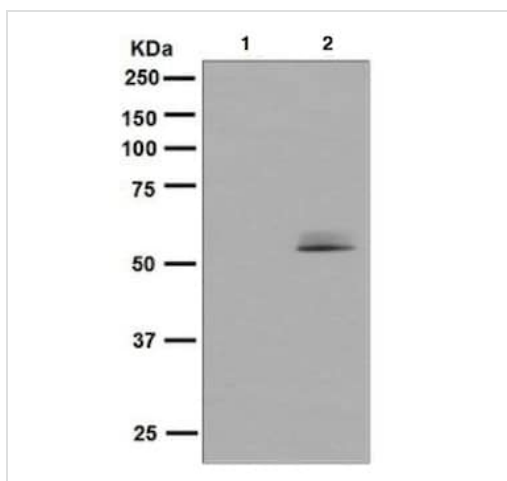
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 60 kDa

Purified format.

Blocking Buffer: 5% NFDm/TBST

Diluting buffer: 5% NFDm/TBST



Western blot - Anti-Src (phospho Y419) antibody [EPR6239(2)] (ab133460)

**All lanes** : Anti-Src (phospho Y419) antibody [EPR6239(2)] (ab133460) at 1/1000 dilution (undiluted)

**Lane 1** : A431 cell lysate, untreated

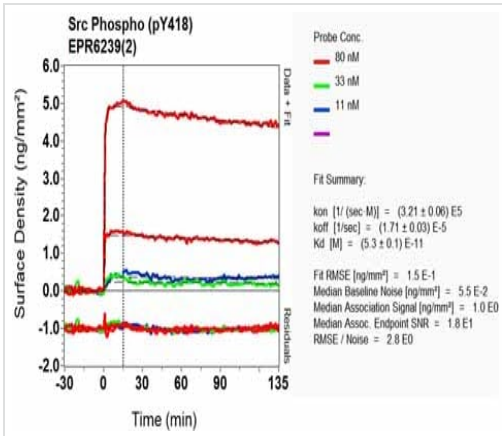
**Lane 2** : A431 cell lysate, treated with Pervanadate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : HRP labelled goat anti-rabbit IgG at 1/2000 dilution

**Predicted band size:** 60 kDa



OI-RD Scanning - Anti-Src (phospho Y419) antibody  
[EPR6239(2)] (ab133460)

Undiluted format.

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

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

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-Src (phospho Y419) antibody [EPR6239(2)]  
(ab133460)

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

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