


# Anti-PTPRE antibody [EPR6715] - BSA and Azide free ab248184

リコンビナント RabMAb

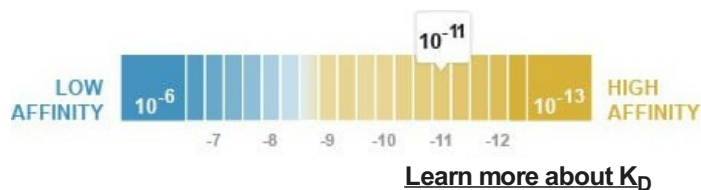
画像数 4

### 製品の概要

製品名	Anti-PTPRE antibody [EPR6715] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR6715] to PTPRE - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, Flow Cyt (Intra) <b>適用なし:</b> ICC/IF, IHC-P or IP
種交差性	<b>交差種:</b> Mouse, Human <b>交差が予測される動物種:</b> Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	<p>ab248184 is the carrier-free version of <a href="#">ab126788</a>.</p> <p>Our <b>carrier-free</b> 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.</p> <p>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.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <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>

## 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 <sub>D</sub> 値)	K <sub>D</sub> = 5.10 x 10 <sup>-11</sup> M



バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Affinity purified
ポリ/モノ	モノクローナル
クローン名	EPR6715
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ab248184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
WB		Use at an assay dependent concentration. Detects a band of approximately 72 kDa (predicted molecular weight: 71, 75, 81 kDa).
Flow Cyt (Intra)		Use at an assay dependent concentration.

**追加情報** Is unsuitable for ICC/IF, IHC-P or IP.

## ターゲット情報

機能	Isoform 1 plays a critical role in signaling transduction pathways and phosphoprotein network topology in red blood cells. May play a role in osteoclast formation and function. Isoform 2 acts as a negative regulator of insulin receptor (IR) signaling in skeletal muscle. Regulates insulin-induced tyrosine phosphorylation of insulin receptor (IR) and insulin receptor substrate 1 (IRS-1), phosphorylation of protein kinase B and glycogen synthase kinase-3 and insulin induced stimulation of glucose uptake. Isoform 1 and isoform 2 act as a negative regulator of FcεRI-mediated signal transduction leading to cytokine production and degranulation, most likely by acting at the level of SYK to affect downstream events such as phosphorylation of SLP76 and LAT and mobilization of Ca(2+).
組織特異性	Expressed in giant cell tumor (osteoclastoma rich in multinucleated osteoclastic cells).
配列類似性	Belongs to the protein-tyrosine phosphatase family. Receptor class 4 subfamily.

Contains 2 tyrosine-protein phosphatase domains.

## ドメイン

The tyrosine-protein phosphatase 2 domain (D2) mediates dimerization. The extreme N- and C-termini of the D2 domain act to inhibit dimerization and removal of these sequences increases dimerization and inhibits enzyme activity.

## 翻訳後修飾

A catalytically active cytoplasmic form (p65) is produced by proteolytic cleavage of either isoform 1, isoform 2 or isoform 3.

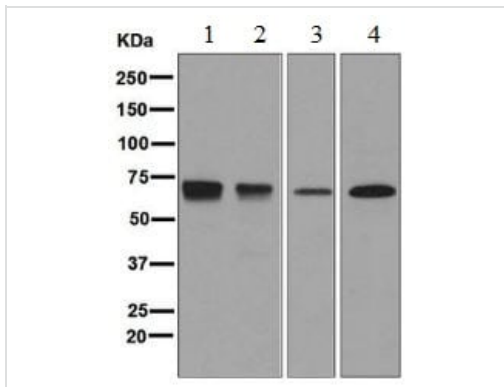
Isoform 1 and isoform 2 are phosphorylated on tyrosine residues by tyrosine kinase Neu.

Isoform 1 is glycosylated.

## 細胞内局在

Cytoplasm; Cell membrane and Cytoplasm. Predominantly cytoplasmic. A small fraction is also associated with nucleus and membrane. Insulin induces translocation to the membrane.

## 画像



Western blot - Anti-PTPRE antibody [EPR6715] - BSA and Azide free (ab248184)

**All lanes** : Anti-PTPRE antibody [EPR6715] ([ab126788](#)) at 1/1000 dilution

**Lane 1** : HL60 cell lysate, treated with TPA

**Lane 2** : HL60 cell lysate

**Lane 3** : HeLa cell lysate

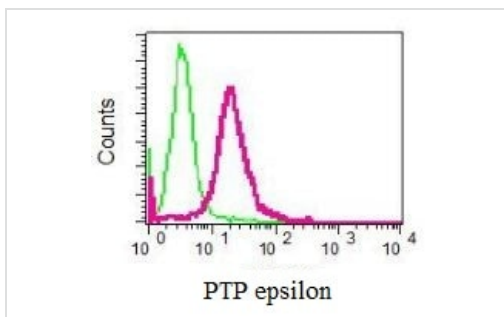
Lysates/proteins at 10 µg per lane.

## Secondary

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

**Predicted band size:** 71, 75, 81 kDa

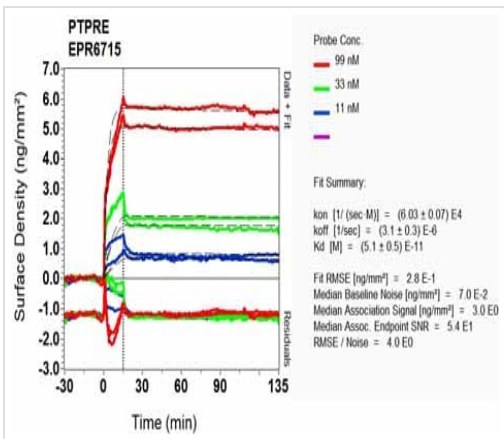
This data was developed using [ab126788](#), the same antibody clone in a different buffer formulation.



Flow Cytometry (Intracellular) - Anti-PTPRE antibody [EPR6715] - BSA and Azide free (ab248184)

This data was developed using [ab126788](#), the same antibody clone in a different buffer formulation.

[ab126788](#) at 1/10 dilution staining PTPRE in permeabilized HL60 cells by intracellular flow cytometry (red) compared with a rabbit IgG negative control (green).



OI-RD Scanning - Anti-PTPRE antibody [EPR6715] - BSA and Azide free (ab248184)

This data was developed using [ab126788](#), the same antibody clone in a different buffer formulation. Equilibrium disassociation 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

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

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