


### Anti-Vimentin (phospho S39) antibody [EP1069Y] ab52942

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **8 References** 画像数 4

#### 製品の概要

製品名	Anti-Vimentin (phospho S39) antibody [EP1069Y]
製品の詳細	Rabbit monoclonal [EP1069Y] to Vimentin (phospho S39)
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, Dot blot <b>適用なし:</b> Flow Cyt, IHC-Fr, IHC-P or IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat 
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: HeLa cell lysate treated with Calyculin A.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <b><a href="#">see here</a></b> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b><a href="#">RabMAb<sup>®</sup> patents</a></b> .

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 99% Tissue culture supernatant, 0.1% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1069Y
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ab52942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。

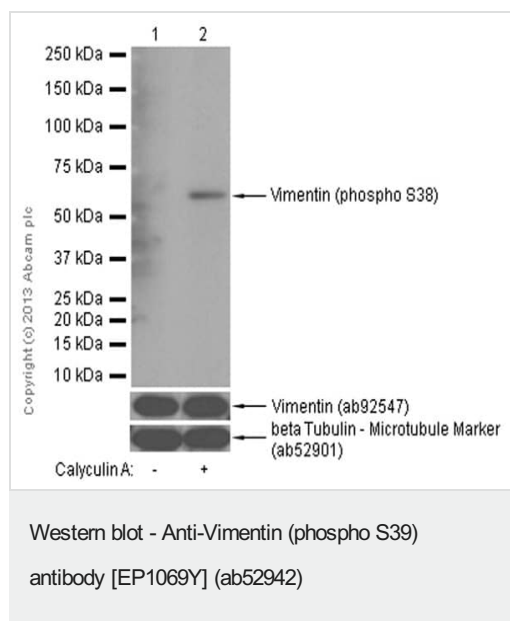
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/200000. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa).
Dot blot		1/1000.

**追加情報**      Is unsuitable for Flow Cyt, IHC-Fr, IHC-P or IP.

## ターゲット情報

<b>機能</b>	Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2.
<b>組織特異性</b>	Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.
<b>関連疾患</b>	Cataract 30
<b>配列類似性</b>	Belongs to the intermediate filament family.
<b>ドメイン</b>	The central alpha-helical coiled-coil rod region mediates elementary homodimerization. The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex.
<b>翻訳後修飾</b>	Filament disassembly during mitosis is promoted by phosphorylation at Ser-55 as well as by nestin (By similarity). One of the most prominent phosphoproteins in various cells of mesenchymal origin. Phosphorylation is enhanced during cell division, at which time vimentin filaments are significantly reorganized. Phosphorylation by PKN1 inhibits the formation of filaments. Phosphorylated at Ser-56 by CDK5 during neutrophil secretion in the cytoplasm. Phosphorylated by STK33. O-glycosylated during cytokinesis at sites identical or close to phosphorylation sites, this interferes with the phosphorylation status. S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.
<b>細胞内局在</b>	Cytoplasm.
<b>製品の状態</b>	Vimentin is found in connective tissue and in the cytoskeleton.

## 画像



**All lanes :** Anti-Vimentin (phospho S39) antibody [EP1069Y] (ab52942) at 1/1000000 dilution

**Lane 1 :** HeLa whole cell lysate - untreated

**Lane 2 :** HeLa whole cell lysate - treated with Calyculin A

Lysates/proteins at 10 µg per lane.

## Secondary

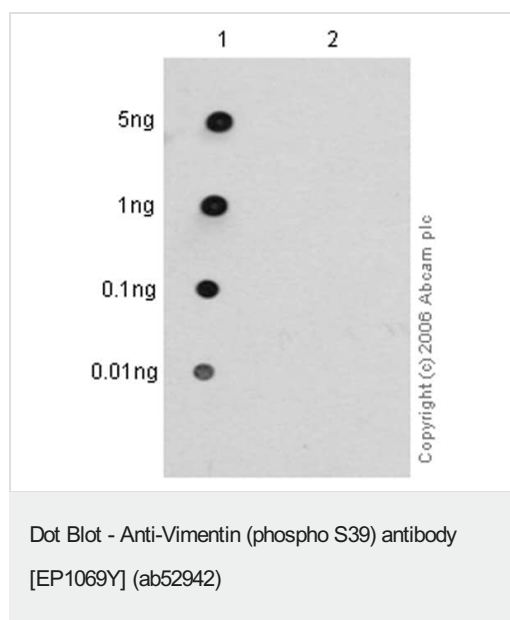
**All lanes :** Peroxidase-conjugated goat anti-rabbit IgG (H+L) at 1/1000 dilution

**Predicted band size:** 54 kDa

**Observed band size:** 54 kDa

**Exposure time:** 3 minutes

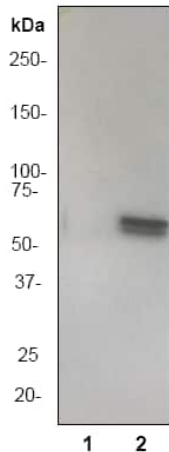
**Blocking and dilution buffer:** 5% NFDM/TBST.



Dot blot analysis of Vimentin (pS39) peptide (Lane 1) and Vimentin non-phospho peptide (Lane 2) labelling Vimentin (phospho S39) with ab52942 at a dilution of 1/1000. A Peroxidase-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody at a dilution of 1/2500.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.



Western blot - Anti-Vimentin (phospho S39)  
antibody [EP1069Y] (ab52942)

**All lanes :** Anti-Vimentin (phospho S39) antibody [EP1069Y]  
(ab52942) at 1/200000 dilution

**Lane 1 :** HeLa cell lysate untreated

**Lane 2 :** HeLa cell lysate Calyculin A treated

Lysates/proteins at 10 µg per lane.

#### Secondary

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

**Predicted band size:** 54 kDa

**Observed band size:** 54 kDa

#### 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-Vimentin (phospho S39) antibody [EP1069Y]  
(ab52942)

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