


Anti-Vimentin (phospho S82) antibody [EP1071Y] ab52943

RabMAb

4 References [画像数 2](#)

製品の概要

製品名	Anti-Vimentin (phospho S82) antibody [EP1071Y]
製品の詳細	Rabbit monoclonal [EP1071Y] to Vimentin (phospho S82)
由来種	Rabbit
アプリケーション	適用あり: Dot blot, WB 適用なし: Flow Cyt, IHC-P or IP
種交差性	交差種: Human 交差が予測される動物種: 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 (AP untreated) + Calyculin A.
特記事項	<p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EP1071Y

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ab52943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
Dot blot		1/1000.
WB		1/500000. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa).

追加情報

Is unsuitable for Flow Cyt, IHC-P or IP.

ターゲット情報

機能

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.

組織特異性

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.

関連疾患

Cataract 30

配列類似性

Belongs to the intermediate filament family.

ドメイン

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.

翻訳後修飾

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.

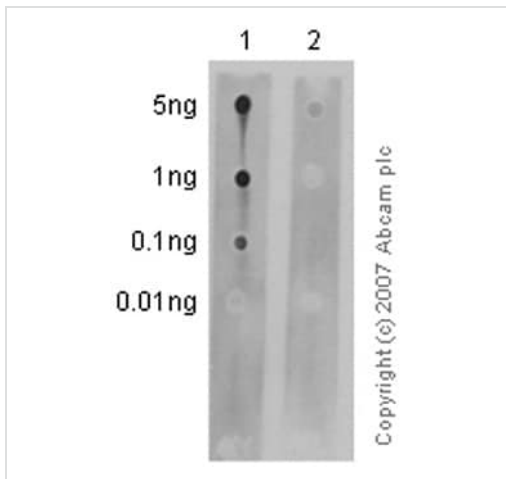
細胞内局在

Cytoplasm.

製品の状態

Vimentin is found in connective tissue and in the cytoskeleton.

画像



Dot Blot - Anti-Vimentin (phospho S83) antibody [EP1071Y] (ab52943)

Primary antibody dilution: 1/1000

Secondary antibody: goat anti-rabbit IgG, (H+L), peroxidase conjugated

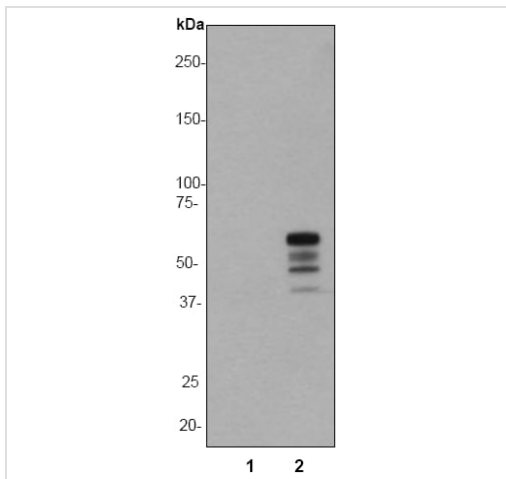
Secondary antibody dilution: 1/2500

Blocking and dilution buffer: 5% NFDm/TBST

Lane 1 sample: Vimentin (pS83) phospho peptide

Lane 2 sample: Vimentin non-phospho peptide

Exposure time: 3 minutes



Western blot - Anti-Vimentin (phospho S82) antibody [EP1071Y] (ab52943)

All lanes : Anti-Vimentin (phospho S82) antibody [EP1071Y] (ab52943) at 1/500000 dilution

Lane 1 : HeLa cell lysate AP treated

Lane 2 : HeLa cell lysate (AP untreated) + Calyculin A

Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 54 kDa

Observed band size: 54 kDa

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