

Product datasheet

Anti-Vimentin antibody ab63379

画像数 1

製品の概要

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| 製品名 | Anti-Vimentin antibody |
| 製品の詳細 | Rabbit polyclonal to Vimentin |
| 由来種 | Rabbit |
| アプリケーション | 適用あり: ELISA, WB |
| 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 non-phosphopeptide derived from human Vimentin around the phosphorylation site of serine 83 (Q-D-S ^P -V-D). |
| ポジティブ・コントロール | extracts from 293 cells, treated with EGF (200ng/ml, 30mins) |

製品の特性

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| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| バッファー | Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS without Mg ²⁺ and Ca ²⁺ , 150mM Sodium chloride, pH 7.4 |
| 精製度 | Immunogen affinity purified |
| ポリ/モノ | ポリクローナル |
| アイソタイプ | IgG |

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab63379** in the following tested applications.

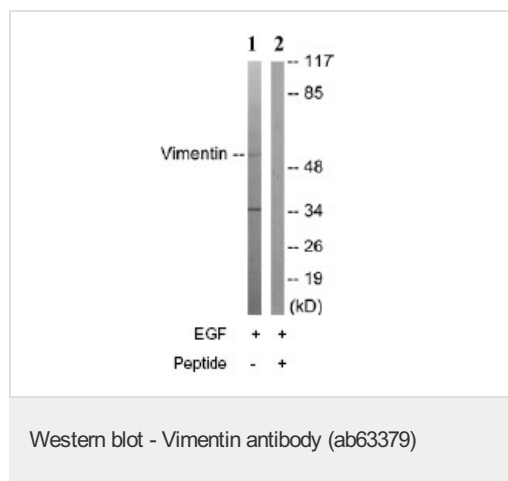
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|--|
| ELISA | | 1/10000. |
| WB | | 1/500 - 1/1000. Detects a band of approximately 54 kDa (predicted molecular weight: 54 kDa). |

ターゲット情報

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| 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



All lanes : Anti-Vimentin antibody (ab63379)
at 1/500 dilution

Lane 1 : extracts from 293 cells, treated
with EGF (200ng/ml, 30mins)

Lane 2 : extracts from 293 cells, treated
with EGF (200ng/ml, 30mins) with immunising
peptide at 10 µg

Lysates/proteins at 30 µg per lane.

Predicted band size: 54 kDa

Observed band size: 54 kDa

Additional bands at: 34 kDa. We are unsure
as to the identity of these extra bands.

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