

## Product datasheet

# Anti-Vimentin (phospho S38) antibody [TM38] ab115150

### 画像数 2

#### 製品の概要

製品名	Anti-Vimentin (phospho S38) antibody [TM38]
製品の詳細	Rat monoclonal [TM38] to Vimentin (phospho S38)
由来種	Rat
アプリケーション	<b>適用あり:</b> WB, ICC/IF
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide corresponding to a region of Human Vimentin phosphorylated at Serine 38.
ポジティブ・コントロール	U251 cells and cell lysate.
特記事項	Abcam is committed to meeting high standards of ethical manufacturing and as such, we will be discontinuing this product, which has been generated by the ascites method, within the next year. We are sorry for any inconvenience this may cause. If you would like help finding an alternative product, please do not hesitate to contact our scientific support team.

#### 製品の特性

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	Constituents: 50% Glycerol, 50% PBS
ポリ/モノ	モノクローナル
クローン名	TM38
アイソタイプ	IgG2a

#### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab115150** in the following tested applications.

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

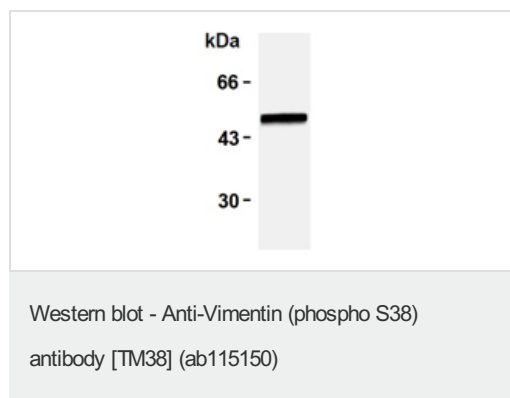
アプリケーション	Abreviews	特記事項
WB		Use a concentration of 3 - 5 µg/ml. Detects a band of approximately 57 kDa (predicted molecular weight: 53 kDa).

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 5 - 10 µg/ml.

## 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.

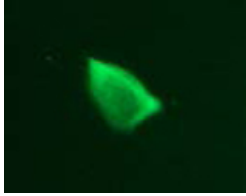
## 画像



Anti-Vimentin (phospho S38) antibody [TM38]  
(ab115150) at 5 µg/ml + U251 cells

**Predicted band size:** 53 kDa

**Observed band size:** 57 kDa



ab115150 at 10ug/ml staining Vimentin (pSer38) in 4% PFA-fixed U251 cells by Immunofluorescence.

Immunocytochemistry/ Immunofluorescence - Anti-Vimentin (phospho S38) antibody [TM38] (ab115150)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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