

FITC Anti-Vimentin antibody [RV202] ab128507

★★★★★ [5 Abreviews](#) [10 References](#) [2 图像](#)

概述

产品名称	FITC荧光Anti-Vimentin抗体[RV202]
描述	FITC荧光小鼠单克隆抗体[RV202] to Vimentin
宿主	Mouse
偶联物	FITC. Ex: 493nm, Em: 528nm
经测试应用	适用于: IHC-Fr, Flow Cyt (Intra)
种属反应性	与反应: Human, Pig 不与反应: Zebrafish
免疫原	Full length native protein (purified) corresponding to Cow Vimentin. Cytoskeletal vimentin extract of calf lens. Database link: P48616
阳性对照	IHC-Fr: Swine colon tissue. Flow Cyt (intra): HeLa cells.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Store In the Dark.
存储溶液	Preservative: 0.09% Sodium azide Constituents: 99% PBS, 0.1% BSA
纯度	Protein G purified
克隆	单克隆
克隆编号	RV202
骨髓瘤	Sp2/0-Ag14

同种型

IgG1

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab128507 于以下的经测试应用

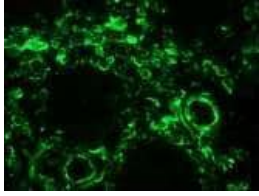
“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		1/10 - 1/200.
Flow Cyt (Intra)		1/1000. ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

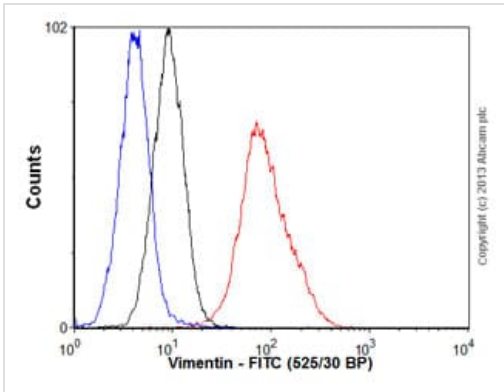
功能	<p>Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally.</p> <p>Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2.</p>
组织特异性	<p>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.</p>
疾病相关	<p>Cataract 30</p>
序列相似性	<p>Belongs to the intermediate filament family.</p>
结构域	<p>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.</p>
翻译后修饰	<p>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.</p> <p>O-glycosylated during cytokinesis at sites identical or close to phosphorylation sites, this interferes with the phosphorylation status.</p> <p>S-nitrosylation is induced by interferon-gamma and oxidatively-modified low-density lipoprotein (LDL(ox)) possibly implicating the iNOS-S100A8/9 transnitrosylase complex.</p>
细胞定位	<p>Cytoplasm.</p>
形式	<p>Vimentin is found in connective tissue and in the cytoskeleton.</p>

图片



Immunohistochemistry (Frozen sections) - FITC
Anti-Vimentin antibody [RV202] (ab128507)

ab128507, at 1/200 dilution, staining Vimentin in a frozen section of Swine colon tissue by Immunohistochemistry.



Flow Cytometry (Intracellular) - FITC Anti-Vimentin
antibody [RV202] (ab128507)

Overlay histogram showing HeLa cells stained with **ab128507** (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Triton for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab128507, 1/1000 dilution) for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [MOPC-21] (FITC) (**ab18435**, 1µg/1x10⁶ cells) for 30 min at 22°C. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

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