


Anti-Vimentin antibody ab11256

★★★★ 4 Abreviews 31 References 1 图像

概述

| | |
|--------------|---|
| 产品名称 | Anti-Vimentin抗体 |
| 描述 | 山羊多克隆抗体to Vimentin |
| 宿主 | Goat |
| 特异性 | No reactivity was observed with the other families of intermediate filaments, including, desmin, keratin, neurofilaments and glial filaments. The antibody localizes vimentin in normal and pathological tissue of mesenchymal derivation. The antibody shows wide cross-reactivity among mammalian species. |
| 经测试应用 | 适用于: IHC-P |
| 种属反应性 | 与反应: Human 预测可用于: a wide range of other species  |
| 免疫原 | Tissue, cells or virus corresponding to Human Vimentin. Vimentin from cultured human foreskin fibroblasts. |
| 常规说明 | If slight turbidity occurs upon prolonged storage, clarify by centrifugation before use. This goat antiserum was maintained at pH 5.0 for 40 minutes to meet U.S.D.A. requirements. 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. 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 |

性能

| | |
|-------------|---|
| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| 存储溶液 | Preservative: 0.097% Sodium azide Constituent: Whole serum |
| 纯度 | Whole antiserum |
| 纯化说明 | The antiserum has been treated to remove lipoproteins. |

克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab11256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-P | ★☆☆☆☆ (1) | 1/20. |

靶标

功能 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.

组织特异性 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.

疾病相关 Cataract 30

序列相似性 Belongs to the intermediate filament family.

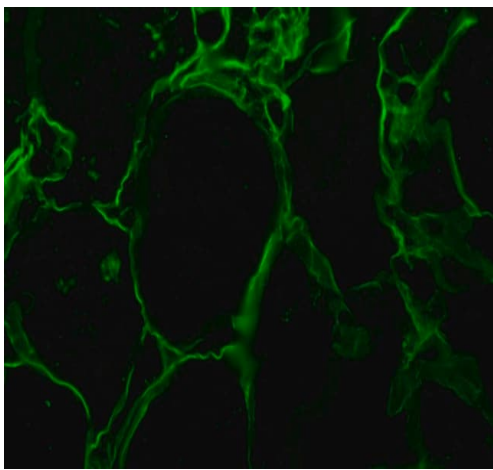
结构域 The central alpha-helical coiled-coil rod region mediates elementary homodimerization. The [IL]-x-C-x-x-[DE] motif is a proposed target motif for cysteine S-nitrosylation mediated by the iNOS-S100A8/A9 transnitrosylase complex.

翻译后修饰 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.

细胞定位 Cytoplasm.

形式 Vimentin is found in connective tissue and in the cytoskeleton.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Vimentin antibody (ab11256)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of 0.1% trypsin treated human skin tissue labelling Vimentin with ab11256 at 1/20 dilution. FITC-conjugated rabbit anti-goat IgG (whole molecule) was used as the secondary antibody (1/20 dilution).

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