

Product datasheet

anti-Vimentin (N-terminus) guinea pig polyclonal, serum

Short overview

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| Cat. No. | GP59 |
| Quantity | 100 µl |

Product description

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| Host | Guinea pig |
| Antibody Type | Polyclonal |
| Immunogen | Synthetic N-terminus of human vimentin (aa 2-17) |
| Formulation | Contains 0.09% sodium azide |
| UniprotID | P08670 (Human), P20152 (Mouse) |
| Synonym | Vimentin, VIM |
| Note | Centrifuge prior to opening |
| Conjugate | Unconjugated |
| Purification | Stabilized antiserum |
| Storage | Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles |
| Intended use | Research use only |
| Application | IHC, WB |
| Reactivity | Human, Mouse |

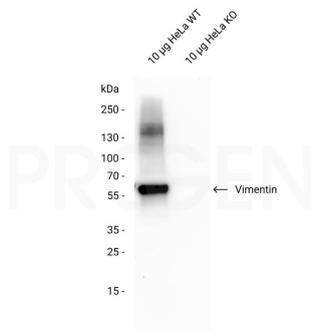
Applications

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| Immunohistochemistry (IHC) - frozen | 1:100 |
| Immunohistochemistry (IHC) - paraffin | 1:50 (microwave treatment recommended) |
| Western Blot (WB) | 1:1,000-1:3,000 |

Background

Specific detection of vimentin (Mr 57,000 polypeptide) in cells and tissues of mesenchymal origin (e.g. fibroblasts, endothelial cells, smooth muscle cells). Tumors specifically detected: Sarcoma (including myosarcoma), lymphoma, melanoma

Product images



Western blot analysis of HeLa lysate with anti-Vimentin antibody. Western blot analysis was performed on 10 µg wild type (WT) and 10 µg Vimentin knockout (KO) HeLa lysate. The PVDF membrane was blocked with 5% milk in PBST (PBS + 0.1% Tween 20) for 1 h at RT. The primary antibody anti-Vimentin (N-terminus) guinea pig polyclonal (Cat. No. GP59) was diluted in blocking buffer (1:1,000) and incubated for 1 h at RT. The secondary antibody anti-guinea pig, HRP conjugate was also diluted in blocking buffer (antibody concentration 0.2 µg/ml) and incubated for 1 h at RT. The bands were visualized by chemiluminescent detection using Pierce™ ECL Western Blotting Substrate.

References

| Publication | Species | Application |
|--|---------|--------------|
| Kanda, M. et al. Leukemia Inhibitory Factor Enhances Endogenous Cardiomyocyte Regeneration after Myocardial Infarction. PLoS One 11, (2016). | mouse | IHC (frozen) |