

Product Datasheet

Vimentin Antibody (VM1170) - Azide and BSA Free NBP2-47950-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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Updated 7/16/2024 v.20.1

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NBP2-47950-0.1mg

Vimentin Antibody (VM1170) - Azide and BSA Free

| Product Information | |
|-------------------------|---|
| Unit Size | 0.1 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | VM1170 |
| Preservative | No Preservative |
| Isotype | IgG1 Kappa |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS |
| Target Molecular Weight | 53.6 kDa |

| Product Description | |
|-------------------------|--|
| Description | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-44833). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. |
| Host | Mouse |
| Gene ID | 7431 |
| Gene Symbol | VIM |
| Species | Human, Mouse (Negative), Rat (Negative) |
| Reactivity Notes | Does not react with Mouse or Rat. |
| Marker | Mesenchymal Cell Marker |
| Specificity/Sensitivity | This monoclonal antibody reacts with a 58kDa protein identified as Vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP however, when used in panels with other antibodies, it is useful for the sub-classification of a given tumor. Expression of Vimentin, when used in conjunction with anti-keratin, is helpful when distinguishing melanomas from undifferentiated carcinomas and large cell lymphomas. All melanomas and Schwannomas react strongly with anti-Vimentin. It labels a variety of mesenchymal cells, including melanocytes, lymphocytes, endothelial cells, and fibroblasts. Non-reactivity of anti-Vimentin is often considered more useful than its positive reactivity, since there are a few tumors that do not contain Vimentin, e.g. hepatoma and seminoma. Anti-Vimentin is also useful as a tissue process control reagent. |
| Immunogen | Recombinant full-length human vimentin protein (Uniprot: P08670) |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin |

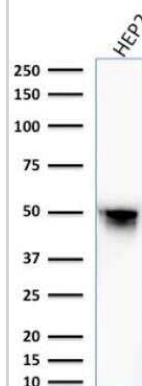


Application Notes

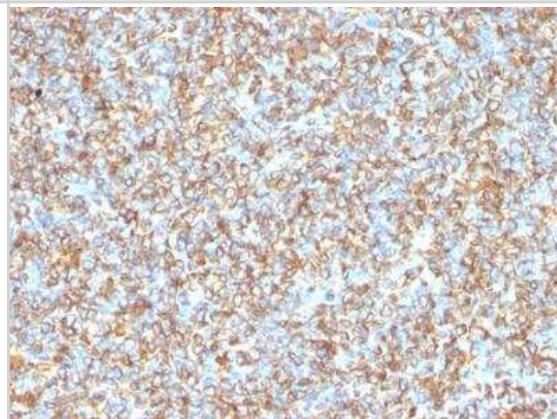
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. Use in Immunohistochemistry-free floating reported in scientific literature (PMID: 30653967).

Images

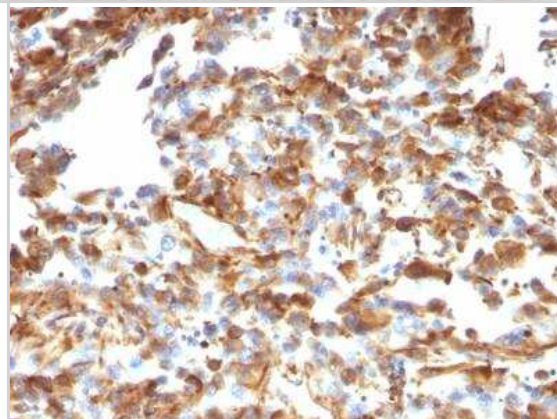
Western Blot: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - HEP2 cell lysate using Vimentin Mouse Monoclonal Antibody (VM1170).



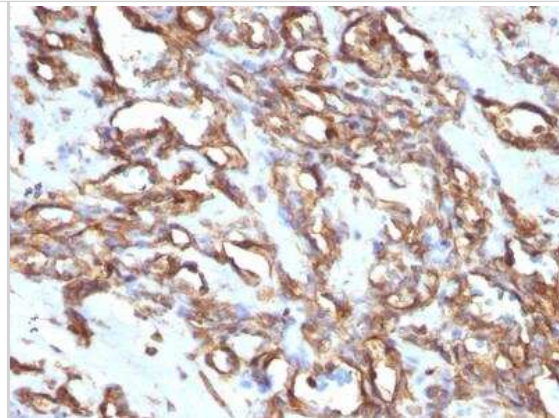
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Ewing's Sarcoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



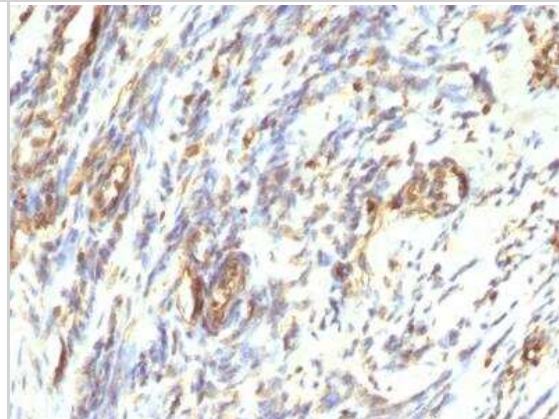
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Melanoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



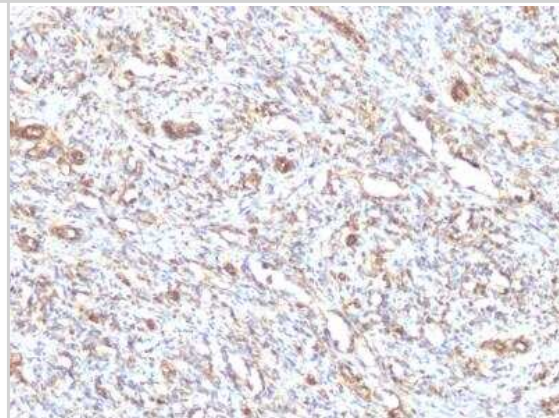
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Angiosarcoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



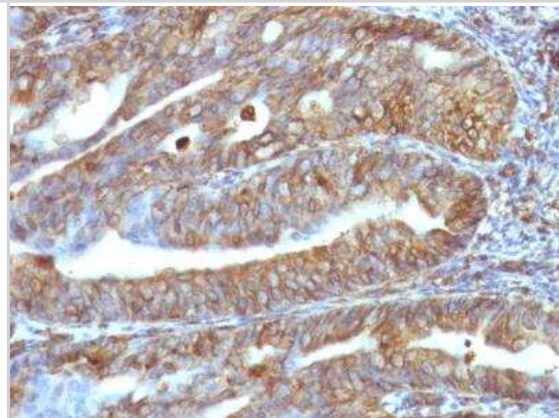
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Leiomyosarcoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Rhabdomyosarcoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Uterus stained with Vimentin Mouse Monoclonal Antibody (VM1170).





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Products Related to NBP2-47950-0.1mg

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |
| NBP2-35139-100ug | Recombinant Human Vimentin Protein |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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