

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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NBP2-47950-0.1mg

Vimentin Antibody (VM1170) - Azide and BSA Free

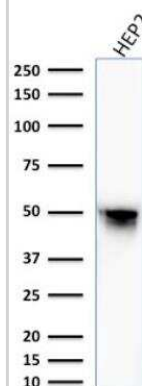
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	VM1170
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	53.6 kDa
Product Description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

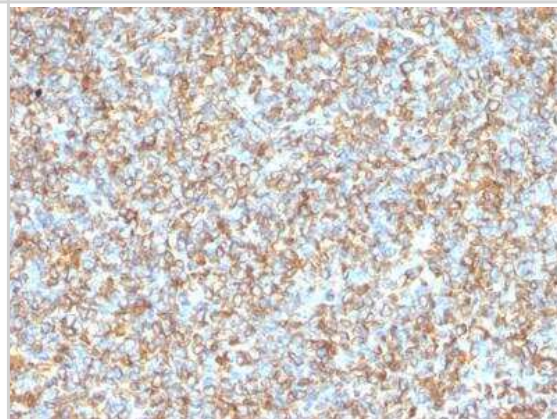
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. Use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

Images

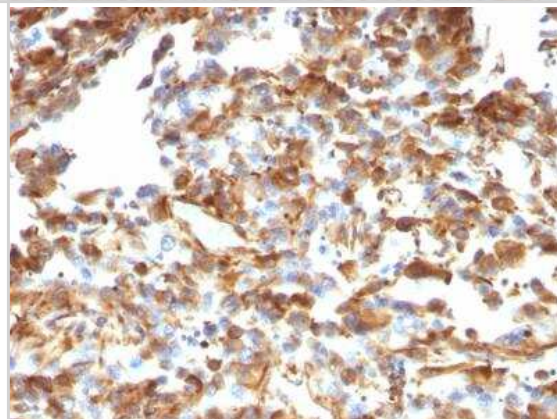
Western Blot: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - HEP2 cell lysate using Vimentin Mouse Monoclonal Antibody (VM1170).



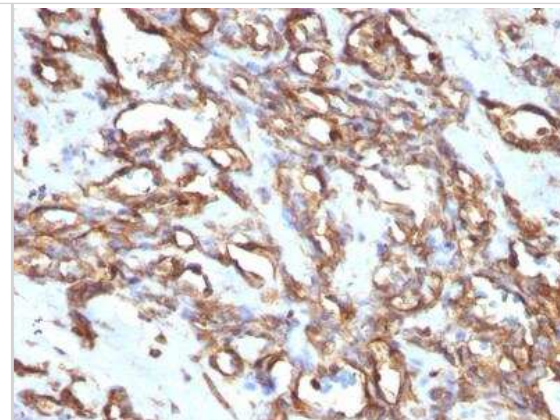
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Ewing's Sarcoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



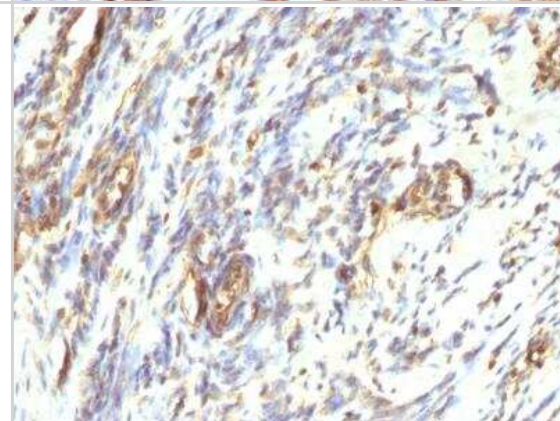
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Melanoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



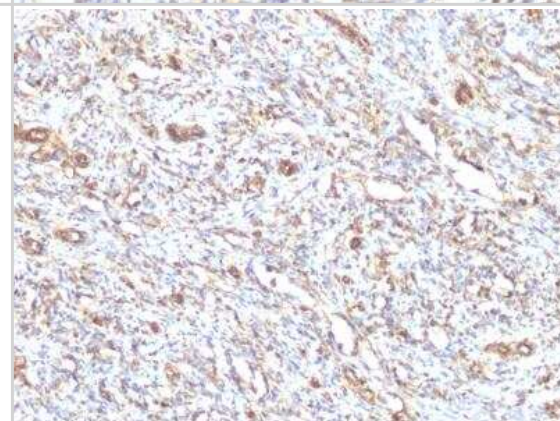
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Angiosarcoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



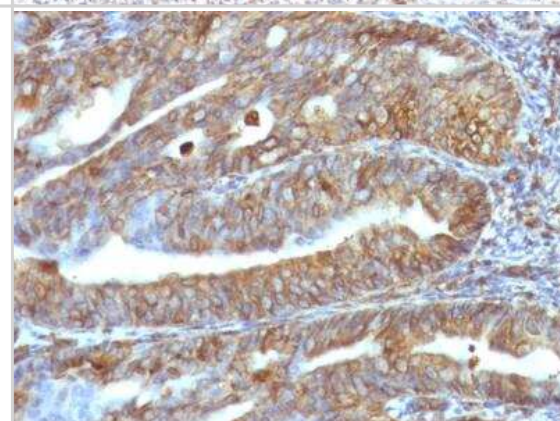
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - Azide and BSA Free [NBP2-47950] - Human Leiomyosarcoma stained with Vimentin Mouse Monoclonal Antibody (VM1170).



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).





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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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