

Product Datasheet

Vimentin Antibody (VM1170) - IHC-Prediluted NBP2-48191

Unit Size: 7 ml

Store at 4C.

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NBP2-48191

Vimentin Antibody (VM1170) - IHC-Prediluted

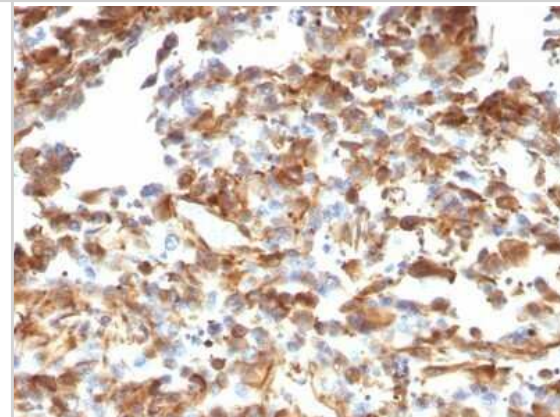
Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	VM1170
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	53.6 kDa

Product Description	
Description	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
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)

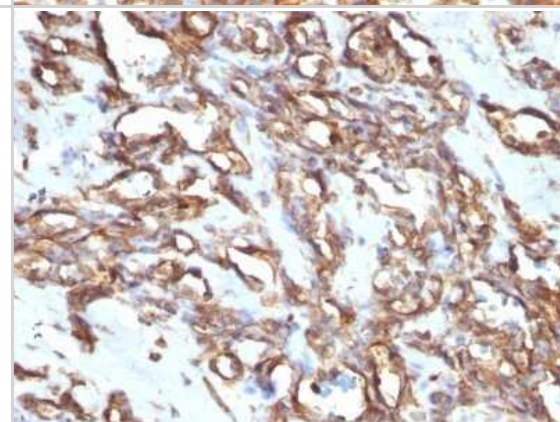
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating 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

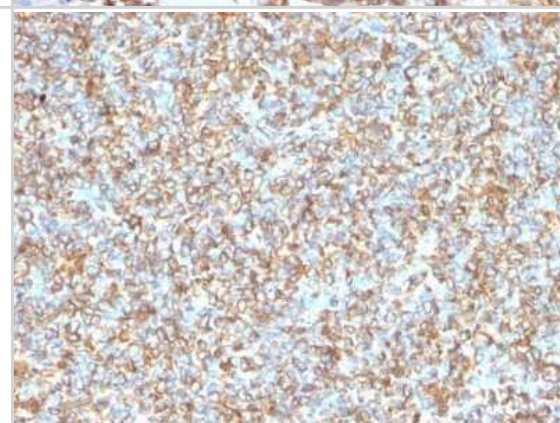
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - IHC-Prediluted [NBP2-48191] - Human Melanoma stained with Vimentin Monoclonal Antibody (VM1170).



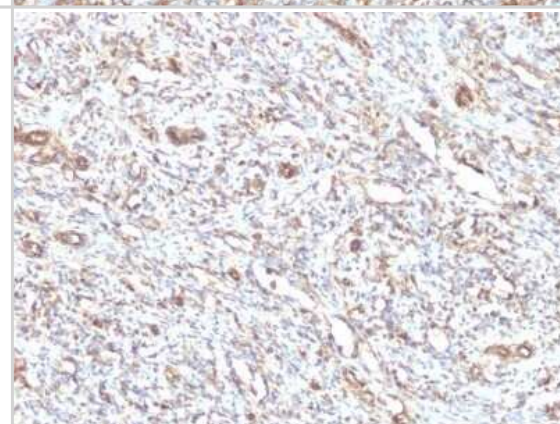
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - IHC-Prediluted [NBP2-48191] - Human Angiosarcoma stained with Vimentin Monoclonal Antibody (VM1170).



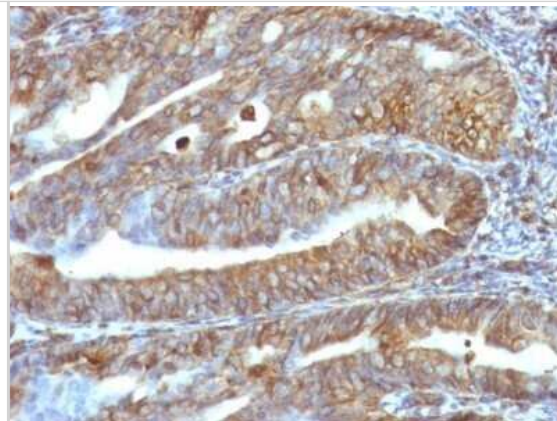
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - IHC-Prediluted [NBP2-48191] - Human Ewing's Sarcoma stained with Vimentin Monoclonal Antibody (VM1170).



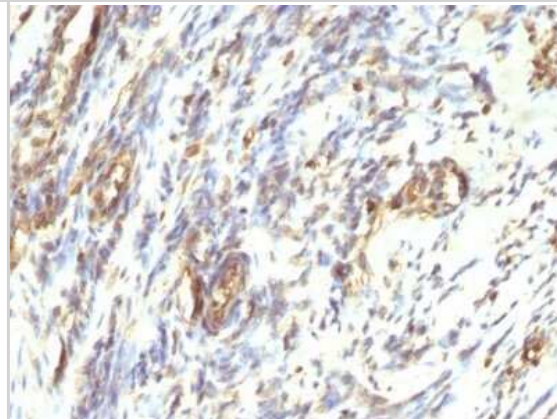
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - IHC-Prediluted [NBP2-48191] - Human Rhabdomyosarcoma stained with Vimentin Monoclonal Antibody (VM1170).



Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - IHC-Prediluted [NBP2-48191] - Human Uterus stained with Vimentin Monoclonal Antibody (VM1170).



Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) - IHC-Prediluted [NBP2-48191] - Formalin-fixed, paraffin-embedded human Leiomyosarcoma stained with Vimentin 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 NBP2-48191

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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