

Product Datasheet

Vimentin Antibody (VM1170)

NBP2-44833-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Publications: 1

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NBP2-44833-0.1mg

Vimentin Antibody (VM1170)

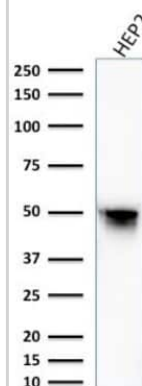
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	VM1170
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	53.6 kDa
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47950) 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 1-2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml

Application Notes

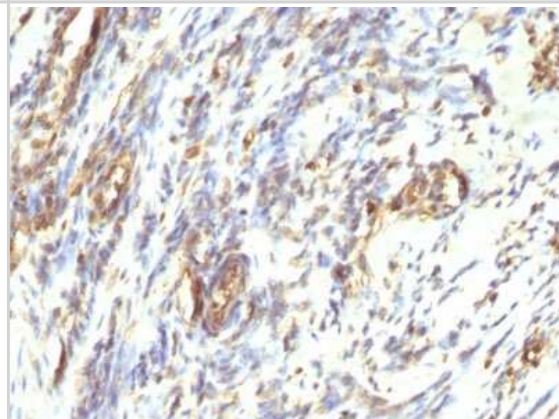
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. Use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

Images

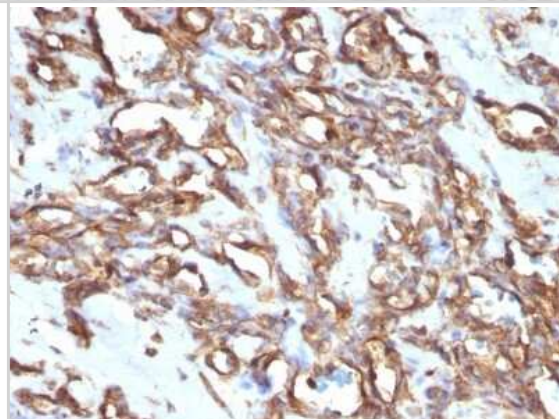
Western Blot: Vimentin Antibody (VM1170) [NBP2-44833] - Western Blot Analysis of HEP2 cell lysate using Vimentin Antibody (VM1170).



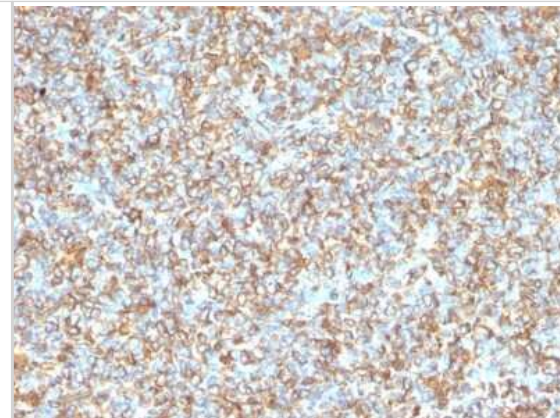
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) [NBP2-44833] - Formalin-fixed, paraffin-embedded human Leiomyosarcoma stained with Vimentin Antibody (VM1170).



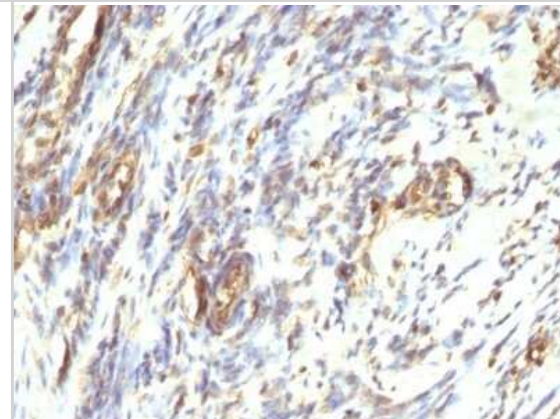
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) [NBP2-44833] - Human Angiosarcoma stained with Vimentin Monoclonal Antibody (VM1170).



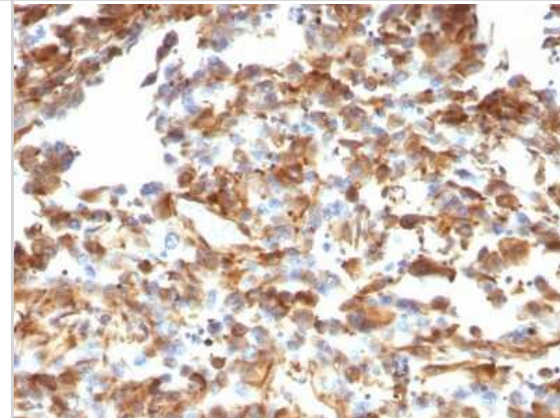
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) [NBP2-44833] - Human Ewing's Sarcoma stained with Vimentin Monoclonal Antibody (VM1170).



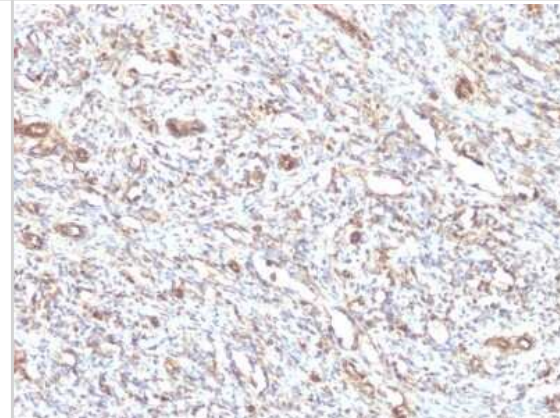
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) [NBP2-44833] - Human Leiomyosarcoma stained with Vimentin Monoclonal Antibody (VM1170).



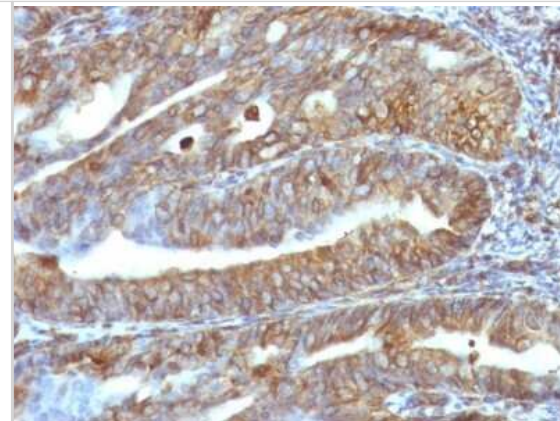
Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) [NBP2-44833] - Human Melanoma stained with Vimentin Monoclonal Antibody (VM1170).



Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) [NBP2-44833] - Human Rhabdomyosarcoma stained with Vimentin Monoclonal Antibody (VM1170).



Immunohistochemistry-Paraffin: Vimentin Antibody (VM1170) [NBP2-44833] - Human Uterus stained with Vimentin Monoclonal Antibody (VM1170).



Publications

Lien B, Tuszynski M, Lu P Astrocytes migrate from human neural stem cell grafts and functionally integrate into the injured rat spinal cord Exp Neurol 2019-01-15 [PMID: 30653967] (IHC-P, Human)



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Products Related to NBP2-44833-0.1mg

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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