

Product Datasheet

Vimentin Antibody NBP1-92687SS

Unit Size: 0.025 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-92687SS

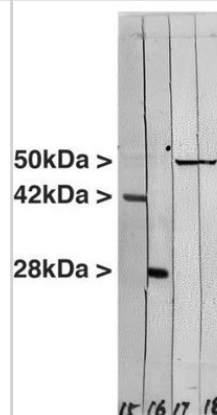
Vimentin Antibody (2D1)

Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2D1
Preservative	10mM Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	50 kDa
Product Description	
Host	Mouse
Gene ID	7431
Gene Symbol	VIM
Species	Human, Mouse, Rat, Mammal
Species Reactivity	Human, rat and mouse and likely all other mammals.
Marker	Mesenchymal Cells Marker
Immunogen	Recombinant human Vimentin expressed in and purified from E. coli. [UniProt# P08670]
Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:500-1:1000, Western Blot 1:5000-1:10000, Simple Western 1:100
Application Notes	This Vimentin (2D1) antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at approximately 50 kDa. In Simple Western only 10-15 uL of the recommended dilution is used per data point.

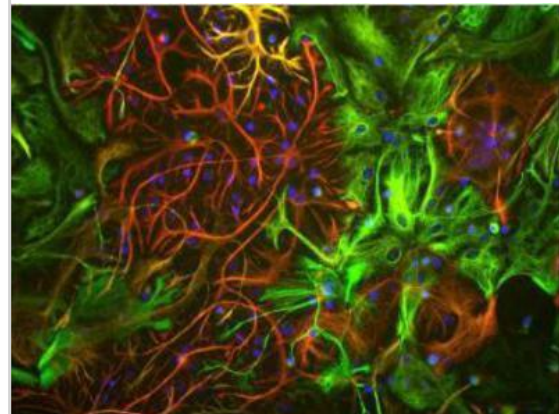


Images

Western Blot: Vimentin Antibody (2D1) [NBP1-92687] - Western blot of crude extract HeLa. Lane 18 was probed with NBP1-92687 antibody. Note the strong clean band at the expected molecular weight of 50kDa. Lane 17 was probed with a monoclonal antibody to Vimentin (cat# NBP1-92688). Lane 15 was probed with an antibody to actin, giving an SDS-PAGE molecular weight of 42kDa, and Lane 16 with NBP1-92691, an antibody to 14-3-3 eta, which has an SDS-PAGE molecular weight of 28kDa.



Immunocytochemistry/Immunofluorescence: Vimentin Antibody (2D1) [NBP1-92687] - View of mixed neuron/glial cultures stained with NBP1-92687 (green) and the GFAP rabbit polyclonal (NB300-141, red). Vimentin is expressed alone in fibroblastic and endothelial cells, which are the flattened cells in the middle of the image which appear green. Astrocytes may express primarily GFAP, or GFAP and Vimentin, and so appear red (GFAP only) or golden yellow (GFAP and Vimentin). In cells which express both GFAP and Vimentin, the two proteins assemble to produce heteropolymer filaments.



Simple Western: Vimentin Antibody (2D1) [NBP1-92687] - Simple Western lane view shows a specific band for Vimentin in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.





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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.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

