

Product Datasheet

Vimentin Antibody NBP1-92688SS

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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NBP1-92688SS

Vimentin Antibody (2A52)

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	2A52
Preservative	10mM Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	50 kDa

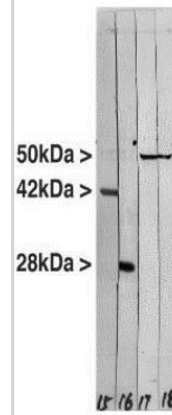
Product Description	
Host	Mouse
Gene ID	7431
Gene Symbol	VIM
Species	Human, Mouse, Rat, Bovine, Porcine
Species Reactivity	Human, Mouse, Rat, Cow and Porcine. Based upon sequence similarity, this antibody is predicted to react with Chimpanzee (99%), Monkey (99%) and Hamster (97%). Sequence homology of Human Vimentin to Chicken and Xenopus is 86% and 78% respectively.
Marker	Mesenchymal Cells Marker
Immunogen	Recombinant human Vimentin expressed in and purified from E. coli. [UniProt# P08670]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:500-1:1000, Western Blot 1:5000-1:10000
Application Notes	This Vimentin (2A52) antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where a band can be seen at approximately 50 kDa.

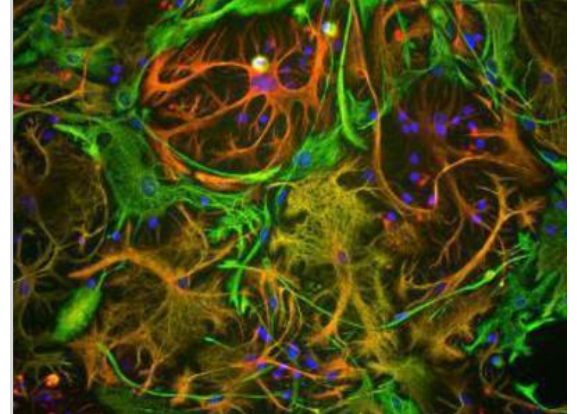


Images

Western Blot: Vimentin Antibody (2A52) [NBP1-92688] - Western blot of crude extract of the human carcinoma HeLa cell line showing strong clean bands at the expected molecular weight of 50kDa. Lane 18 was probed with NBP1-92688 antibody, whereas, Lane 17 was probed with another monoclonal antibody to vimentin, clone 2D1 (NBP1-92687). 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 (2A52) [NBP1-92688] - 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 imate 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.





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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.

