

# Product Datasheet

## Vimentin Antibody (2A52) [Biotin] NBP1-92688B

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 10/23/2024 v.20.1

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**NBP1-92688B**

Vimentin Antibody (2A52) [Biotin]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2A52
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	Biotin
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	53.6 kDa
<b>Product Description</b>	
<b>Description</b>	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
<b>Host</b>	Mouse
<b>Gene ID</b>	7431
<b>Gene Symbol</b>	VIM
<b>Species</b>	Human, Rat, Mouse (Negative)
<b>Reactivity Notes</b>	Clones 2D1 (NBP1-92687) and 2A52 (NBP1-92688) both failed to detect the target in mouse tissues although they work well on human and rat samples. This allowed us to firmly map the epitope for both antibodies to the peptide SRISLPLPNFSSLNREL, amino acids 409-425 of the human sequence. This peptide is located at the beginning of the non-helical "tail" region of the molecule and the peptide is totally conserved between human and rat and in most mammalian species, including cow, pig, horse, camel, and many monkeys. Interestingly mouse has the peptide SRISLPLPTFSSLNREL divergent by one amino acid, and neither clones bind this peptide. As a result these antibodies can be used to identify human or rat cells in mouse cultures or tissues and may work with other species that also contain this peptide.
<b>Marker</b>	Mesenchymal Cells Marker
<b>Immunogen</b>	Full length recombinant human Vimentin Antibody protein expressed in and purified from E. coli.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Knockout Validated
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP1-92688B**

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NBP2-29370	Streptavidin Native Protein
NBP1-96888	Mouse IgG1 Isotype Control (MG1) [Biotin]
NBP2-35139-100ug	Recombinant Human Vimentin Protein
2105-VI-100	Vimentin [Unconjugated]

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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.

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