

# Product Datasheet

## Vimentin Antibody (RV202) - BSA Free NBP1-97672

Unit Size: 0.1 mg

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

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**NBP1-97672**

Vimentin Antibody (RV202) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RV202
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	PBS
Target Molecular Weight	53.6 kDa

Product Description	
Description	The antibody is shipped at ambient temperature and may be stored at 4C. For prolonged storage prepare appropriate aliquots and store at or below -20C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at 4C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.
Host	Mouse
Gene ID	7431
Gene Symbol	VIM
Species	Human, Mouse, Rat, Porcine, Canine, Chicken, Goat, Hamster, Monkey, Xenopus, Zebrafish
Marker	Mesenchymal Cells Marker
Specificity/Sensitivity	This antibody reacts exclusively with vimentin, which is expressed in mesenchymal cells and mesenchymal derived tumors e.g. lymphoma, sarcoma and melanoma.
Immunogen	This antibody is a mouse monoclonal IgG1 antibody derived by fusion of SP2/0-Ag14 mouse myeloma cells with spleen cells from a BALB/c mouse immunized with a cytoskeletal vimentin extract of calf lens.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:100 - 1:1000, Flow Cytometry 1:100 - 1:200, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:100 - 1:200, CyTOF-ready



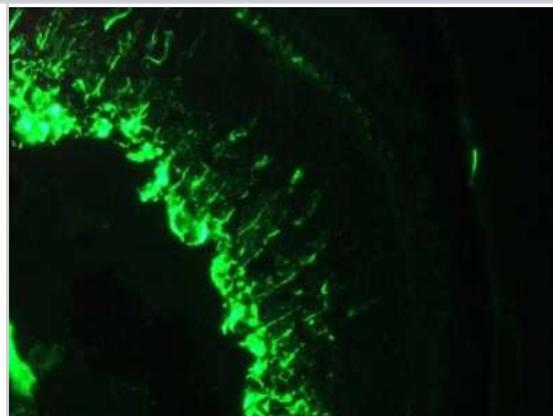
**Application Notes**

Optimal antibody dilutions should be determined by titration; recommended range is 1:100 - 1:200 for flow cytometry, and for immunohistochemistry with avidin-biotinylated Horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.

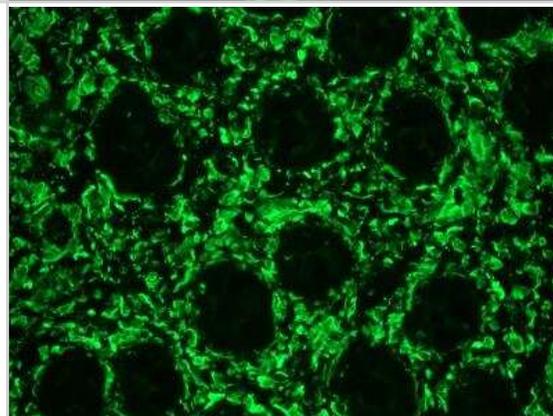
This antibody is CyTOF ready.

**Images**

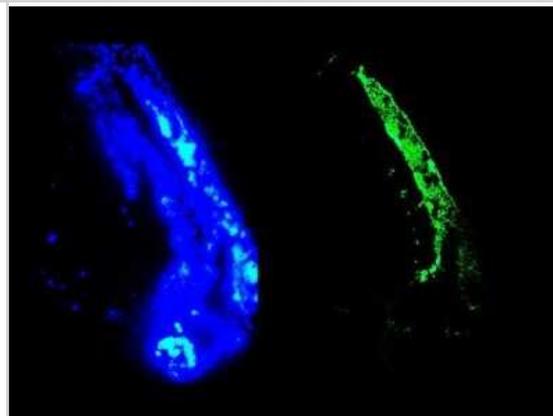
Immunocytochemistry/Immunofluorescence: Vimentin Antibody (RV202) [NBP1-97672] - Staining of a 1 month old zebrafish embryo



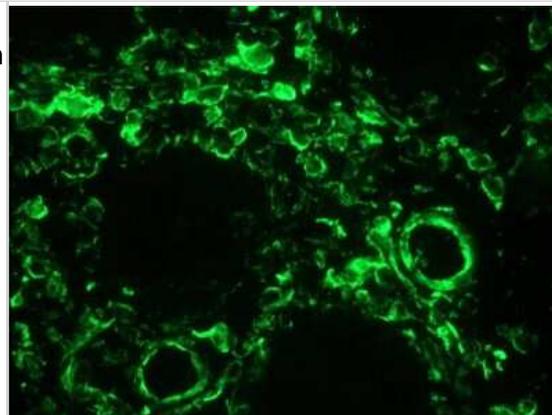
Immunohistochemistry-Frozen: Vimentin Antibody (RV202) [NBP1-97672] - Immunohistochemistry on frozen section of swine colon showing positive staining in connective tissue cells and no reactivity in epithelial cells.



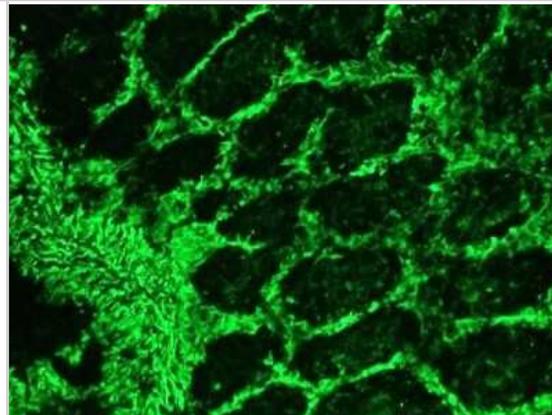
Immunocytochemistry/Immunofluorescence: Vimentin Antibody (RV202) [NBP1-97672] - Staining of the developing neural tube in a 2 days old zebrafish embryo. Left panel: DAPI-staining of cell nuclei, providing an overview of the tissue section used for immunostaining



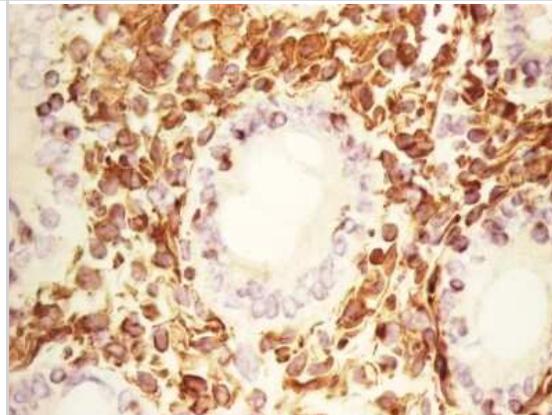
Immunohistochemistry-Frozen: Vimentin Antibody (RV202) [NBP1-97672] - MUB1900L1: Frozen section of swine colon immunostained with RV202-FITC (1:200)



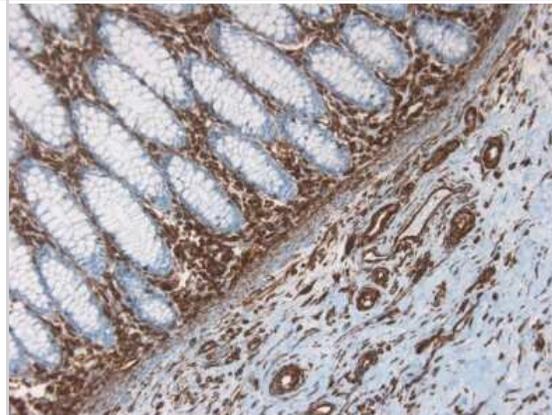
Immunohistochemistry-Frozen: Vimentin Antibody (RV202) [NBP1-97672] - Frozen section of swine colon showing positive staining in connective tissue cells and no reactivity in epithelial cells



Immunohistochemistry-Frozen: Vimentin Antibody (RV202) [NBP1-97672] - Frozen section of swine colon immunostained with RV202-HRP (1:200)



Immunohistochemistry-Paraffin: Vimentin Antibody (RV202) [NBP1-97672] - Paraffin section of human colon



## Publications

Bouchard G, Garcia-Marques FJ, Karacosta LG et al. Multiomics Analysis of Spatially Distinct Stromal Cells Reveals Tumor-Induced O-Glycosylation of the CDK4-pRB Axis in Fibroblasts at the Invasive Tumor Edge Cancer Research 2022-02-15 [PMID: 34853070] (Block/Neutralize)

Jahnke L, Zandi S, Elhelbawi A et al. Characterization of Macrogliia Response during Tissue Repair in a Laser-Induced Model of Retinal Degeneration International Journal of Molecular Sciences 2023-05-24 [PMID: 37298126] (IHC-P, Mouse)

Details:

1:200 IHC-P dilution

Zandi S, Li Y, Jahnke L et al. Animal model of subretinal fibrosis without active choroidal neovascularization Experimental eye research 2023-02-18 [PMID: 36803995] (WB, Mouse)

Portillo JA, Corcino YL, Miao Y et al. CD40 in Retinal Muller Cells Induces P2X7-Dependent Cytokine Expression in Macrophages/Microglia in Diabetic Mice and Development of Early Experimental Diabetic Retinopathy. Diabetes. 2016-07-29 [PMID: 27474370]





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### **Products Related to NBP1-97672**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-35139-100ug	Recombinant Human Vimentin Protein

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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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