

Product Datasheet

Vimentin Antibody (J144) NB100-74564-50 ul

Unit Size: 50 ul

Store at -20C. Avoid freeze-thaw cycles.

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NB100-74564-50 ul

Vimentin Antibody (J144)

Product Information

Unit Size	50 ul
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	J144
Preservative	0.05% Sodium Azide
Isotype	IgM
Purity	Unpurified
Buffer	Ascites
Target Molecular Weight	53.6 kDa

Product Description

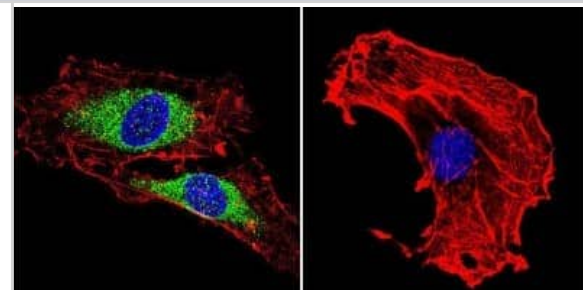
Host	Mouse
Gene ID	7431
Gene Symbol	VIM
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Marker	Mesenchymal Cells Marker
Immunogen	Human rhabdosarcoma cell line JR1.

Product Application Details

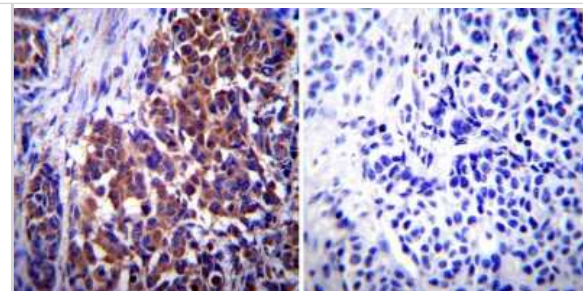
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:20, Immunohistochemistry-Paraffin 1:20

Images

Immunocytochemistry/Immunofluorescence: Vimentin Antibody (J144) [NB100-74564] - Vimentin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Vimentin at a dilution of 1:100-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Immunohistochemistry-Paraffin: Vimentin Antibody (J144) [NB100-74564] - Biopsies of deparaffinized Human melanoma tissue. Cells were probed without (control) or with or an antibody recognizing Vimentin



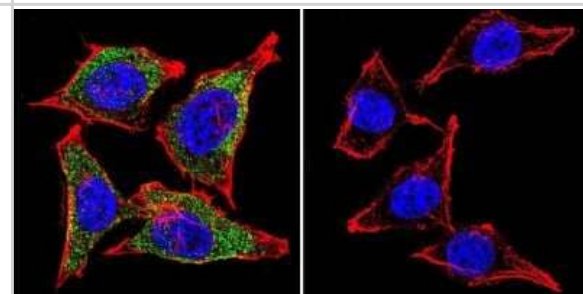
Western Blot: Vimentin Antibody (J144) [NB100-74564] - Analysis of rat brain cells.

Fig. 1

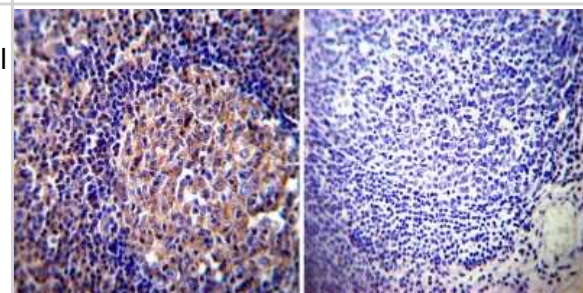
Vimentin



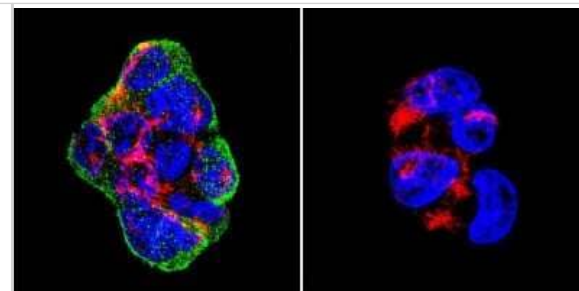
Immunocytochemistry/Immunofluorescence: Vimentin Antibody (J144) [NB100-74564] - Vimentin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Vimentin at a dilution of 1:100-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Immunohistochemistry-Paraffin: Vimentin Antibody (J144) [NB100-74564] - Both normal and cancer biopsies of deparaffinized Human tonsil tissue.



Immunocytochemistry/Immunofluorescence: Vimentin Antibody (J144) [NB100-74564] - Vimentin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Vimentin at a dilution of 1:100-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Publications

Rudnick JA, Monkkonen T, Mar FA et al. Autophagy in stromal fibroblasts promotes tumor desmoplasia and mammary tumorigenesis *Genes & development* 2021-07-01 [PMID: 34168038]

Paul I, Bolzan D, Youssef A et al. Parallelized multidimensional analytic framework applied to mammary epithelial cells uncovers regulatory principles in EMT *Nature communications* 2023-02-08 [PMID: 36755019]

Kim M, Kim H, Kang BG et al. Discovery of a novel NAMPT inhibitor that selectively targets NAMPT-deficient EMT-subtype cancer cells and alleviates chemotherapy-induced peripheral neuropathy *Theranostics* 2023-09-11 [PMID: 37771778]

Lee J, Kim H et al. Selective Cytotoxicity of the NAMPT Inhibitor FK866 Toward Gastric Cancer Cells With Markers of the Epithelial-Mesenchymal Transition, Due to Loss of NAMPT. *Gastroenterology* 2018-01-09 [PMID: 29775598] (WB, Human)

Fusco P, Parisatto B, Rampazzo E et al. Patient-derived organoids (PDOs) as a novel in vitro model for neuroblastoma tumours *BMC Cancer* 2019-10-21 [PMID: 31638925] (WB, Human)

Fukuda A, Morris JP 4th, Hebrok M. Bmi1 is required for regeneration of the exocrine pancreas in mice *Gastroenterology* 2012-09-01 [PMID: 22609312] (IF/IHC, ICC/IF, Mouse)



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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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