

# Product Datasheet

## Vimentin Antibody (LN-6)

### NBP2-44832-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-44832-0.1mg**

Vimentin Antibody (LN-6)

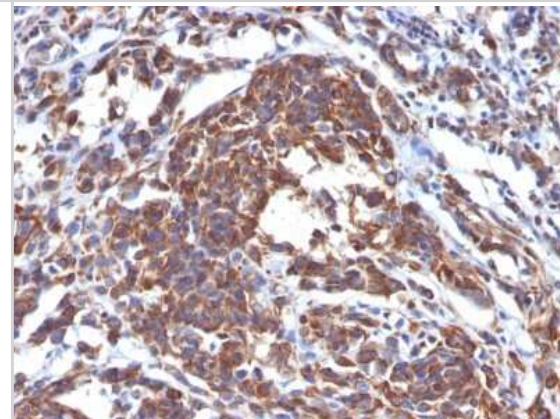
Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	LN-6
Preservative	0.05% Sodium Azide
Isotype	IgM Kappa
Purity	Protein L or PEG purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	53.6 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47949)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	7431
Gene Symbol	VIM
Species	Human, Mouse, Rat, Porcine, Bovine, Feline, Rabbit, Sheep
Marker	Mesenchymal Cell Marker
Specificity/Sensitivity	This monoclonal antibody reacts with a 58kDa protein identified as vimentin. It reacts with a non-hematopoietic epitope of vimentin and shows no cross-reaction with other closely related intermediate filament proteins (IFPs) such as desmin, keratin, neurofilament, and glial fibrillary acid protein. Vimentin is ubiquitously expressed in mesenchymal cells such as fibroblasts, smooth muscle cells, and endothelium. Antibody against vimentin is useful as part of an antibody panel for differential diagnosis of tumors of unknown origin. Ab-2 does not react with leukocyte common antigen-positive tissues such as lymphomas and leukemias.
Immunogen	Human thymic nuclear extract (Uniprot: P08670)

Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 0.5 - 1.0 ug/million cells in 0.1 ml, Immunohistochemistry, Immunohistochemistry-Paraffin 0.1-0.2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 0.1-0.2ug/ml for 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

## Images

Immunohistochemistry-Paraffin: Vimentin Antibody (LN-6) [NBP2-44832]  
- Human Melanoma stained with Vimentin Monoclonal Antibody (LN-6).



## Publications

Ha H, Lee CH, Lee KS et al. Shape-Configurable Mesh for Hernia Repair by Synchronizing Anisotropic Body Motion Small (Weinheim an der Bergstrasse, Germany) 2023-07-25 [PMID: 37490554] (IHC, Rat)

Piera L, Szymanski J, Juszcak M et al. Histamine is involved in the regulation of collagen content in cultured heart myofibroblasts via H(2), H(3) and H(4) histamine receptors Biomed Rep 2021-08-01 [PMID: 34276989] (Flow)

### Details:

Citation using the Azide and BSA Free format of this antibody.

Wolak M, Bojanowska E, Staszewska T et al. Histamine augments collagen content via H1 receptor stimulation in cultures of myofibroblasts taken from wound granulation tissue Mol Cell Biochem 2020-11-23 [PMID: 33230787] (FLOW)



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### **Products Related to NBP2-44832-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96975-0.5mg	Mouse IgM Kappa Light Chain Isotype Control (MMK)
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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