

Product Datasheet

Vimentin Antibody (VI-10)

NB500-563

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB500-563

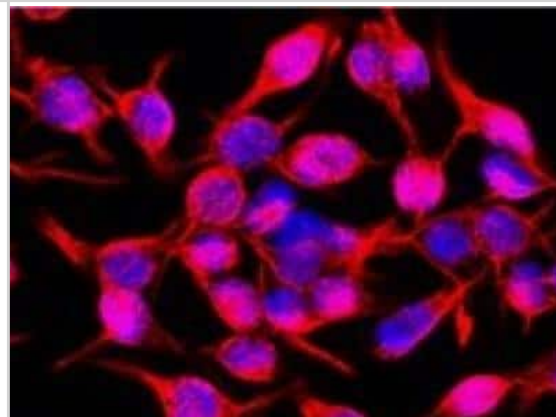
Vimentin Antibody (VI-10)

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	VI-10
Preservative	0.9% Sodium Azide
Isotype	IgM
Purity	Multi-step
Buffer	TBS (pH 8.0)
Target Molecular Weight	53.6 kDa
Product Description	
Host	Mouse
Gene ID	7431
Gene Symbol	VIM
Species	Human, Mouse, Rat, Porcine, Bovine, Chicken
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. Use in Bovine reported in scientific literature (PMID:32402338).
Marker	Mesenchymal Cells Marker
Specificity/Sensitivity	Vimentin - Stem Cell (VI-10)
Immunogen	Full length native protein (NM_003380.3).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:50, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	Immunocytochemistry: Staining technique: (a) fix cells for 10 min in methanol at -20C and for 6 min in acetone at -20C; (b) fix cells directly in methanol for 10 min at -20C or in acetone for 10 min at -20C. Positive control: 3T3 murine Swiss albino fibroblast cell line, RBL rat basophilic leukemia cell line. Immunohistochemistry (paraffin sections) positive tissue: skin fibroblast.

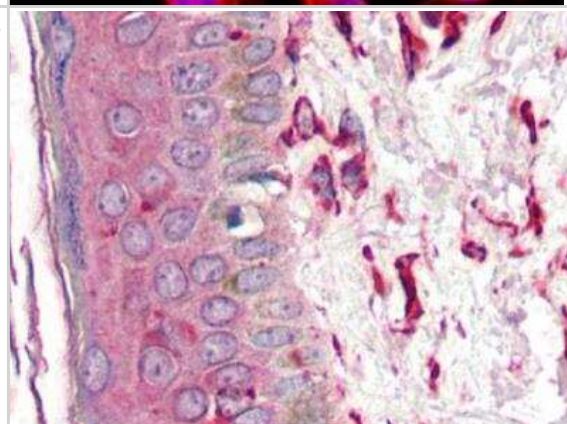


Images

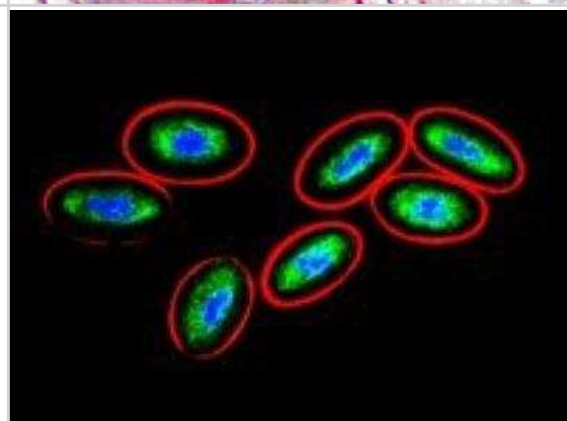
Immunocytochemistry/Immunofluorescence: Vimentin Antibody (VI-10) [NB500-563] - Staining of RBL rat basophilic cell line with anti-Vimentin (VI-10) Dyomics 547. Nuclei are stained with DAPI (blue).



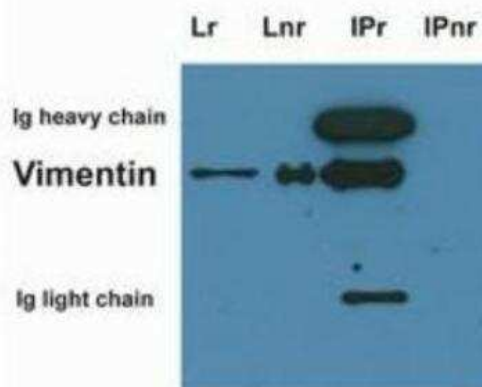
Immunohistochemistry-Paraffin: Vimentin Antibody (VI-10) [NB500-563] - Staining of human skin (paraffin sections) using anti-vimentin (VI-10).



Immunocytochemistry/Immunofluorescence: Vimentin Antibody (VI-10) [NB500-563] - Staining of chicken postnatal erythrocytes. Tubulin (red) was stained with anti-alpha-tubulin (TU-01), vimentin (green) with anti-Vimentin (VI-10). Nuclei are stained with DAPI (blue).



Immunoprecipitation: Vimentin Antibody (VI-10) [NB500-563] - Immunoprecipitation of vimentin from HeLa cell lysate by antibody VI-10 and its detection by antibody VI-01. IgM heavy chain (76-92 kDa) and IgM light chain (25-30 kDa) indicated. MW of vimentin is 57 kDa.



Publications

Jung K, Saif L, Wang Q Replicative capacity of porcine deltacoronavirus and porcine epidemic diarrhea virus in primary bovine mesenchymal cells. Vet Microbiol. 2020-04-01 [PMID: 32402338] (ICC/IF, Bovine)

Draberova E, Zikova M, Draber P et al. Monoclonal antibody VI-10 specific for vimentin. Folia Biol (Praha). 1999-01-01 [PMID: 10732717]



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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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