

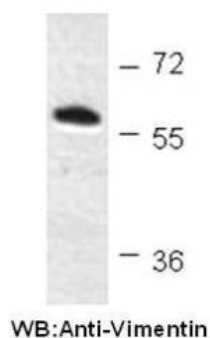
Anti-Vimentin Mouse Monoclonal Antibody  
Catalog Number: NL25054

Tel: 027-65563553

## Product Description

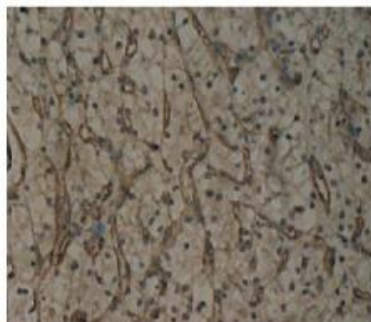
Description	Anti-Vimentin Mouse Monoclonal Antibody
Another Name	Anti-VIM Mouse Monoclonal Antibody
Catalog Number	NL25054
Size:	100 µl
Tested Applications:	WB , IHC
Cited Applications:	WB, IHC, IF
Tested Reactivity:	Human , mouse Rat
Cited Reactivity:	Human , mouse Rat
Gene Symbol:	Vimentin
Immunogen :	A synthetic peptide from the internal region of human vimentin protein.
Concentration:	1mg/ml
Host/Isotype:	mouse/IgG
Class:	monoclonal
Type:	Antibody
Predicted mv:	54KDa
Observed mv:	54KDa
Uniprot:	P08670
Constituents:	PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150 mM NaCl, 50% glycerol
Storage Conditions:	Store at -20°C for one year after shipment
Background:	This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients.

## Tested Applications: WB



Purified His-tagged vimentin protein were subjected to SDS PAGE followed by western blot with VIM antibody (Cat# NL25054) at dilution of 1:1000

## Tested Applications: IHC



paraffin-embedded human renal cancer tissue with anti-vimentin monoclonal antibody (Cat. #NL25054). Tissue samples were fixed with formaldehyde and blocked with 1% serum for 15 min at 37 ° C. Antigen retrieval was by heat mediation in citrate buffer (pH6). Samples were then incubated with primary antibody (1:100 dilution) overnight at 4° C. A HRP-conjugated Goat anti-mouse IgG (1:50 dilution) was used as secondary antibody.