



Catalog Number:	RA22124	Host:	Rabbit
Product Type:	Rabbit Polyclonal	Species Reactivity:	Human, Mouse, Cow, Pig, Horse, and Rat
Immunogen Sequence:	Full length recombinant human vimentin protein expressed in and purified from <i>E. coli</i> .	Format:	Antibody is supplied as an aliquot of serum
Applications:	Immunofluorescent: 1:5,000 Immunocytochemistry: 1:5,000 Immunohistochemistry: 1:5,000 Western Blot: 1:10,000		

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

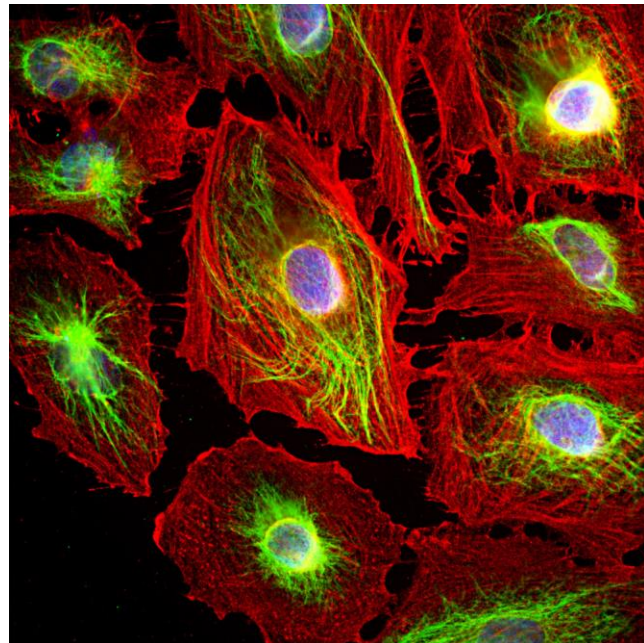
Storage: Antibody can also be aliquotted and stored frozen at -20° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Application Notes

Description/Data:

Vimentin is a protein which assembles to produce 10nm or intermediate filaments, which are major components of the cellular cytoskeleton. This protein is expressed in microglia, developing astrocytes, developing neurons, fibroblasts and endothelial cells in the developing nervous system. Levels of vimentin generally are reduced as development proceeds and in adult animals vimentin is mostly found in mesenchymal tissues. Antibodies to vimentin are useful in studies of stem cells and generally to reveal the filamentous cytoskeleton. The immunogen used to generate our antibody was recombinant human vimentin expressed in and purified from *E. coli*.

Image: Immunofluorescence analysis of HeLa cells costained with rabbit pAb to vimentin, RA22124, dilution 1:5,000, in green, and mouse mAb to Actin dilution 1:500, in red. Blue is DAPI staining of nuclear DNA. The vimentin antibody stains the 10nm or intermediate filament network of the cytoskeleton. The antibody to actin labels the submembranous actin-rich cytoskeleton, stress fibers, and bundles of actin associated with cell adhesion sites.



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