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PRODUCT DATASHEET

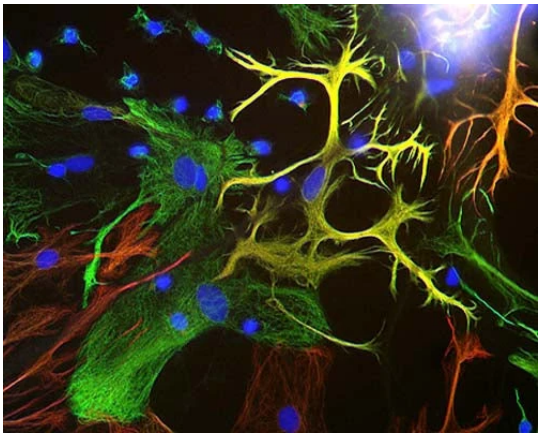
Anti-Vimentin Antibody

Product Details

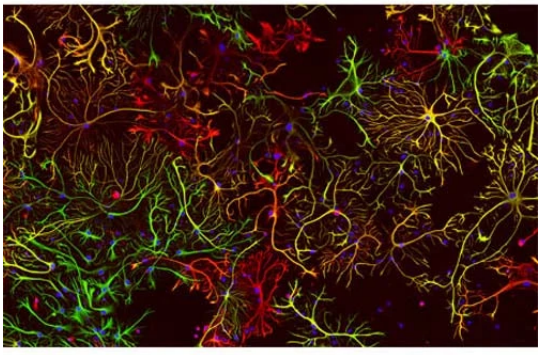
Available Variants	50 µL (SKU:C-1409-50)
Conjugate	Unconjugated
Isotype	IgY
Host Species	Chicken
Format	IgY preparation
Physical State	Lyophilized
Buffer	Lyophilized IgY preparation, with sodium azide.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 ICC: 1:1000-1:5000
Species Reactivity	Human, Mouse, Rat
Immunogen	Recombinant human Vimentin purified from E.coli
Specificity	The specificity of this antibody has been confirmed by WB. This antibody detects ~50 kDa Vimentin enzyme. Hu, rat, Ms. It is predicted to react with other mammals due to sequence homology.
Molecular Weight	50 kDa
Storage	Spin vial briefly before opening. Reconstitute with 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. After reconstitution of lyophilized antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	P08670 UniProt Summary: Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Plays a role in cell directional movement, orientation, cell sheet

	organization and Golgi complex polarization at the cell migration front. Protects SCRIB from proteasomal degradation and facilitates its localization to intermediate filaments in a cell contact-mediated manner. May promote axon outgrowth and motor fiber repair via DSP-mediated recruitment to outgrowth tips.
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.
NCBI Gene ID	7431

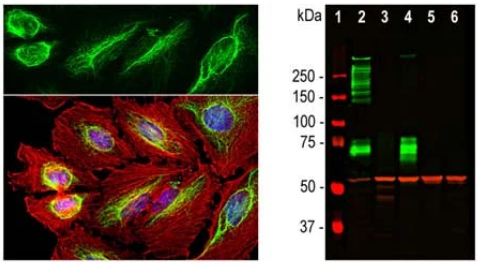
Product Images



View of mixed neuron/glial cultures stained with Chicken polyclonal antibody to Vimentin C-1409-50 (green) and Rabbit polyclonal antibody to Glial Fibrillary Acidic Protein R-1374-50 (red). Vimentin is expressed alone in fibroblastic and endothelial cells, which are the flattened cells in the middle of the imate which appear green. Astrocytes may express primarily Glial Fibrillary Acidic Protein (GFAP), or GFAP and vimentin, and so appear red (GFAP only) or golden yellow (GFAP and Vimentin). In cells which express both GFAP and vimentin, the two protein assemble to produce heteropolymer filaments.



A view of neonatal rat brain cultures stained with Chicken polyclonal antibody to Vimentin C-1409-50 (red) and with Rabbit polyclonal antibody to GFAP R-1374-50 (green). These two proteins are found only in non-neuronal cells so you can\'t see any neurons, except for their nuclei in blue. Maturish astrocytes have only GFAP so appear green or have a mix of both proteins, so appear yellow. Some cells only have the vimentin (immature astrocytes, microglia and fibroblasts) and so appear red.



Left: Analysis of vimentin expression in HeLa cells by **Immunocytochemistry**. Cells were stained with chicken antibody to vimentin (1:10,000, green), and co-stained with a mouse anti-actin antibody (red). Blue: DAPI nuclear stain. The vimentin antibody stains the intermediate filament network, while the actin antibody labels the submembranous cytoskeleton, stress fibers, and bundles of actin associated with cell adhesion sites. **Right: Western blot** analysis of tissue and cell lysates using chicken antibody to Vimentin (1:5,000, red, lanes 2-6). [1] protein standard, [2] rat whole brain, [3] HeLa, [4] SH-SY5Y, [5] HEK293, [6] NIH-3T3. Vimentin protein appears as single band at around 50 kDa. The blot was simultaneously probed with a mouse antibody to MAP2C/D (green).

Created on 30. October 2026 | All information without guarantee