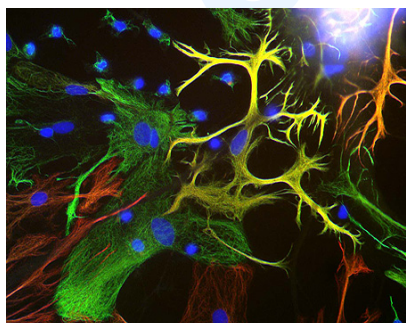


Chicken polyclonal antibody to Vimentin

Catalogue No.:	C-1409-50
Description:	Vimentins are class-III intermediate filaments specific to mesenchymal tissue. Vimentin is an important cytoskeletal component responsible for maintaining cell integrity and has a probable role in the intracellular transport of proteins such as lipoproteins between the nucleus and plasma membrane. Immunohistochemical staining for Vimentin is characteristic of sarcomas.
Batch No.:	See product label
Unit size:	50 µl
Antigen:	Recombinant human Vimentin purified from E.coli
Isotype:	IgY
Other Names:	VIM;
Accession:	P08670 VIME_HUMAN;
Produced in:	Chicken
Applications:	Western Blotting (WB) and Immunocytochemistry (IC). A dilution of 1:5,000 - 1:10,000 is recommended for WB. A dilution of 1:1,000-5,000 is recommended for IC. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB. This antibody detects ~50 kDa Vimentin enzyme.
Antibody Against:	Vimentin
Cross-reactivity:	Hu, Rat, Ms. It is predicted to react with other mammals due to sequence homology.
Form:	Lyophilised with 5% trehalose
Appearance:	White powder
Reconstitution:	Reconstitute in sterile distilled water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution of lyophilised antibody, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase



View of mixed neuron/glia 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.

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