

Anti-Vimentin Protein Antibody

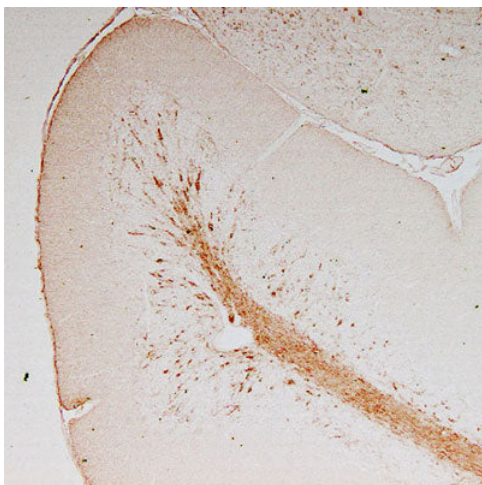


Product Details

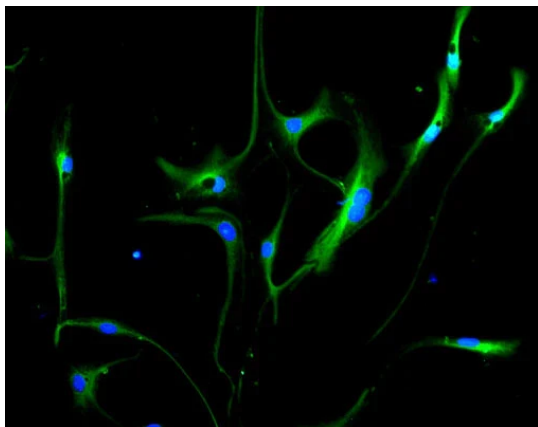
Available Variants	1000 µL (SKU:VIM)
Isotype	IgY
Gene Name	VIM
Host Species	Chicken
Concentration	300 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with three synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the vimentin gene product, but are shared between the human (NP_003371, NCBI) and mouse (NP_035831, NCBI) protein sequences. After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 300 µg/mL. Finally, equal volumes of each of the three affinity-purified anti-peptide antibodies were mixed, and the preparation was filtersterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:2000-1:5000 IHC: 1:1000-1:2000 ICC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptides
Molecular Weight	52 kDa

Quality Control	Each of the three antibodies were analyzed by immunohistochemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313565
UniProt ID	<u>P08670</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

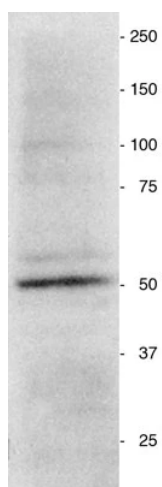
Product Images



Immunostaining of adult mouse cerebellum, showing staining in the granule cell layer and white matter tracts. Anti-vimentin antibody, 1:1000; HRP-labeled goat anti-chicken IgY, 1:500.



Culture of neurosphere cells from an e16 mouse brain immunostained for vimentin immunoreactivity. Vimentin antibody, 1:1000. Secondary, fluorescein-labeled goat anti-chicken antibody (Aves Labs, Cat.No. F-1005), 1:500. Hoda Ilias, Aves Labs.



Vimentin western blot of a homogenate prepared from a neurosphere culture. Vimentin antibody, 1:2000; Secondary, HRP-labeled goat anti-chicken antibody (Aves Labs, Cat.No. H-1004), 1:1000. Hoda Ilias, Aves Labs.

Product Page URL: www.antibodiesinc.com/products/anti-vimentin-protein-antibody-vim



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