Anti-Vimentin antibody [2D1] (STJA0003824)

STJA0003824

GENERAL INFORMATION

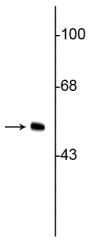
Product Type Primary antibodies
Short Description Mouse monoclonal antibody anti-Vimentin is suitable for use in Western Blot, Immunohistochemistry and Immunocytochemistry research applications.
Applications WB/IHC/ICC
Host/Source Mouse
Reactivity Human/Mouse/Rat/Bovine/Canine/Chicken/D.melanogaster/Feline/Finch/Fish/Goat/Guinea Pig/Hamster/Horse/Lizard/Non-Human Primates/Rabbit/Sheep/Vole/Xenopus/Zebrafish

PRODUCT PROPERTIES

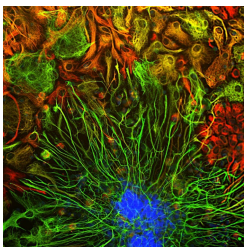
Clonality Monoclonal
Clone ID 2D1
Concentration
Conjugation Unconjugated
Purification This antibody was protein g purified culture from supernatant.
Dilution Range WB 1:1000
IHC 1:500-1:1000
ICC 1:500-1:2000
Formulation 100 ul in PBS + 10 mM Sodium Azide.
Isotype IgG2a
Storage Instruction Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

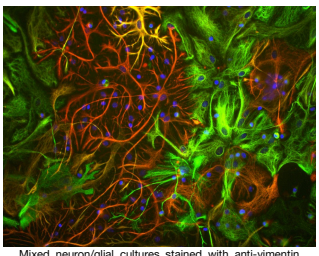
Gene ID 7431
Gene Symbol VIM
Uniprot ID VIME_HUMAN
Immunogen Recombinant human vimentin purification from E. coli.
Immunogen Region
Specificity
Immunogen Sequence



Western blot of HeLa cell lysate showing specific immunolabeling of the ~50 kDa vimentin protein.



Immunostaining of E20 rat cortical neuron/glial cell culture stained with anti-vimentin (2107, VIM, red, 1:2000) and anti-GFAP antibody (cat. STJA0003659, green, 1:5000). The blue is DAPI staining nuclear DNA. Vimentin is expressed alone in fibroblastic and developing cells and appear red. The astrocytes that appear red express only GFAP, while the golden yellow and yellow astrocytes express GFAP and Vimentin.



Mixed neuron/glial cultures stained with anti-vimentin (green, 1:500) and rabbit anti-GFAP antibody (cat. 620-GFAP, red, 1:1000). The blue stains nuclear DNA. Vimentin is expressed alone in fibroblastic and endothelial cells, which are the flattened cells in the middle of the image which appear green. Astrocytes may express primarily GFAP, or GFAP and vimentin, and so appear red (GFAP only) or golden yellow (GFAP and Vimentin).

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