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34-1127: Monoclonal Antibody to Vimentin (Clone: 2A52)

Clonality :	Monoclonal
Clone Name :	2A52
Application :	WB
Reactivity :	Human
Gene :	VIM
Gene ID :	7431
Uniprot ID :	P08670
Format :	Purified
Isotype :	Mouse, IgG1
Immunogen Information :	Recombinant human vimentin expressed in and purified from E. coli.

Product Info

Amount :	100 µl
Content :	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

WB: 1:10,000. IF/ICC and IHC: 1:5,000.

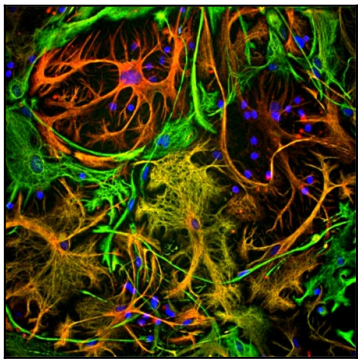


Figure-1: Immunofluorescent analysis of cortical neuron-glial cell culture from E20 rat stained with mouse mAb to vimentin,(34-1127), dilution 1:5,000 in green, and costained with rabbit pAb to glial fibrillary acidic protein (GFAP),(34-1042), dilution 1:5,000 in red. The blue is DAPI staining of nuclear DNA. Fibroblastic, microglial and developing astrocytic cells contain only vimentin, and so appear green. Maturing astrocytic cells contain variable amounts of GFAP and vimentin, and so may appear red or yellow.

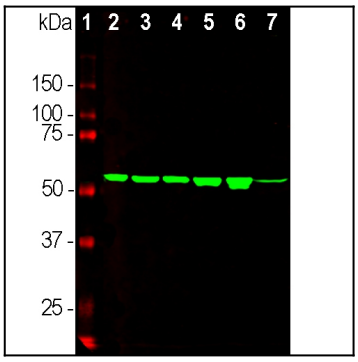


Figure-2: Western blot analysis of cell and whole brain tissue lysates using mouse mAb to vimentin,(34-1127), dilution 1:5,000 in green: [1] protein standard (red), [2] HEK293, [3] HeLa, [4] SH-SY5Y, [5] COS-1, [6] C6, and [7] rat brain. The band at about 50kDa mark corresponds to vimentin protein. The antibody does not recognize mouse vimentin (not shown).

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