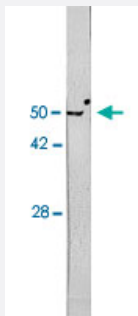


VIM monoclonal antibody, clone 2A52

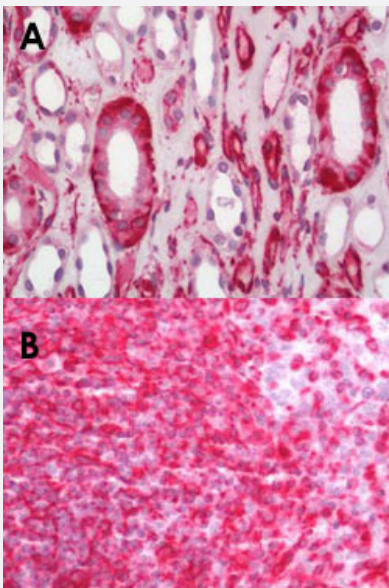
Catalog # MAB12880 Size 50 uL

Applications



Western Blot (Cell lysate)

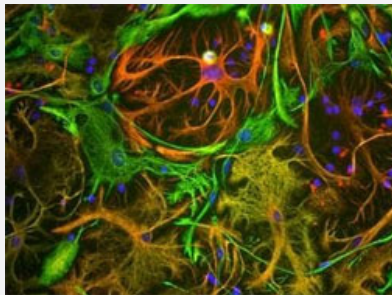
Western Blot analysis of crude extracts from human carcinoma HeLa cell with VIM monoclonal antibody, clone 2A52 (Cat # MAB12880).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney (A) and human tonsil (B) with VIM monoclonal antibody, clone 2A52 (Cat # MAB12880).

Immunocytochemistry



Immunocytochemistry staining of mixed neuron and glial culture cells with VIM monoclonal antibody, clone 2A52 (Cat # MAB12880) (Green) and rabbit antibody to GFAP antibody (Red). 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). In cells which express both GFAP and vimentin, the two proteins assemble to produce heteropolymer filaments.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human VIM.
Immunogen	Recombinant protein corresponding to human VIM.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG1, kappa
Recommend Usage	Immunocytochemistry (1:1000) Immunofluorescence (1:1000) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) Western Blot (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (10 mM sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of crude extracts from human carcinoma HeLa cell with VIM monoclonal antibody, clone 2A52 (Cat # MAB12880).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney (A) and human tonsil (B) with VIM monoclonal antibody, clone 2A52 (Cat # MAB12880).

- Immunocytochemistry

Immunocytochemistry staining of mixed neuron and glial culture cells with VIM monoclonal antibody, clone 2A52 (Cat # MAB12880) (Green) and rabbit antibody to GFAP antibody (Red). 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). In cells which express both GFAP and vimentin, the two proteins assemble to produce heteropolymer filaments.

- Immunofluorescence

Gene Info — VIM

Entrez GeneID [7431](#)

Protein Accession# [P08670](#)

Gene Name VIM

Gene Alias FLJ36605

Gene Description vimentin

Omim ID [193060](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract

Other Designations OTTHUMP00000019224

Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)