VIM monoclonal antibody, clone SRL33

Catalog # MAB9596 Size

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant VIM.
Immunogen	Recombinant protein corresponding to a portion at C-terminus of human VIM.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2a
Recommend Usage	Immunohistochemistry (1:400) Western Blotting (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In tissue culture supernatant (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

Gene Info — VIM

Entrez GeneID	7431

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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 filamentents, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by thi s gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoske letal interactions. It is also involved in the immune response, and controls the transport of low-dens ity lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions a s 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

Publication Reference

- Meningeal-tumor interactions define distinct modes of leptomeningeal colonization in medulloblastoma.

  Leyre Jimenez Garcia, Lindsay N. Ryan, Amy C. Gross, Annika M. Albrecht, Jefferson H. Walters, Jeffrey R. Leonard, Ryan D. Roberts, James B. Reinecke.

  Acta Neuropathologica Communications 2026 Apr; 14(1):108.

  Application: IF, Cell Culture, Human, Daoy, HMVEC, Mouse astrocytes

- Host-derived growth factors drive ERK phosphorylation and MCL1 expression to promote osteosarcoma cell survival during metastatic lung colonization.

  Camille A McAloney, Rawan Makkawi, Yogesh Budhathoki, Matthew V Cannon, Emily M Franz, Amy C Gross, Maren Cam, Tatyana A Vetter, Rebekka Duhen, Alexander E Davies, Ryan D Roberts.

  Cellular Oncology (Dordrecht) 2023 Sep; [Epub].

  Application: IHC, Human, Human osteosarcoma, MG63.3, OS17 cells

- Osteosarcoma tumors maintain intra-tumoral transcriptional heterogeneity during bone and lung colonization.

  Sanjana Rajan, Emily M Franz, Camille A McAloney, Tatyana A Vetter, Maren Cam, Amy C Gross, Cenny Taslim, Meng Wang, Matthew V Cannon, Alexander Oles, Ryan D Roberts.

  BMC Biology 2023 Apr; 21(1):98.

  Application: IF, Human, 143B, OS-17 cells

Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Alzheimer disease
- Anorexia Nervosa
- Bulimia
- Cognition
- Genetic Predisposition to Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.