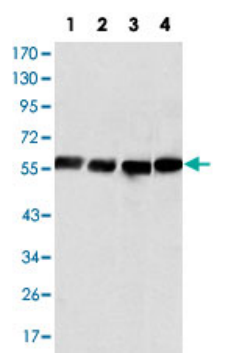
VIM monoclonal antibody, clone 4F2E9

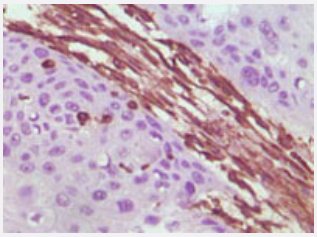
Catalog # MAB10419 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of VIM monoclonal antibody, clone 4F2E9 (Cat # MAB10419) against HeLa (1), COS (2), HEK293 (3) and U20S (4) cell lysate.



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

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue, showing cytoplasmic localization using VIM monoclonal antibody, clone 4F2E9 (Cat # MAB10419)

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant VIM.
Immunogen	Recombinant protein corresponding to amino acids 2-466 of human VIM.
Host	Mouse
Theoretical MW (kDa)	54
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% 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 shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — VIM

Entrez GeneID	7431
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

Disease

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