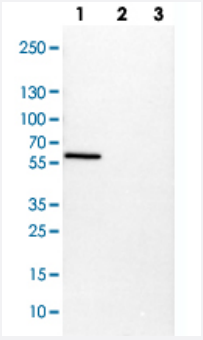
# VIM polyclonal antibody

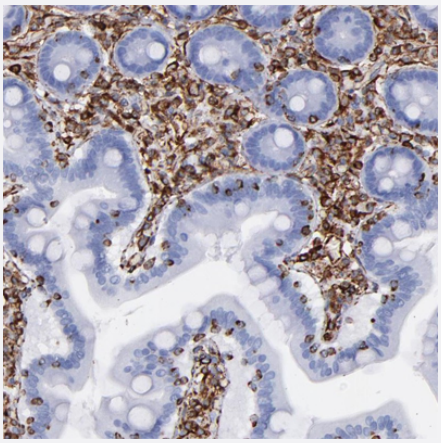
Catalog # PAB29375 Size 100 uL

## Applications



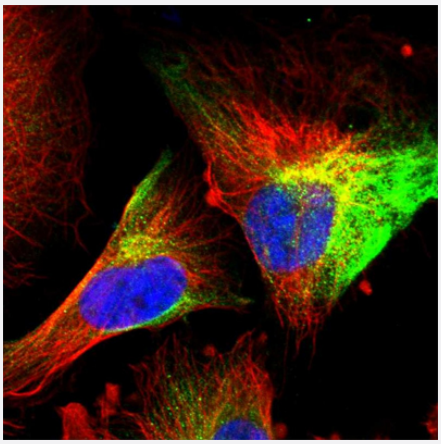

### Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate (Mouse embryonic fibroblast cells) Lane 2: NBT-II cell lysate (Rat Wistar bladder tumour cells) Lane 3: PC12 cell lysate (Pheochromocytoma of rat adrenal medulla) with VIM polyclonal antibody (Cat # PAB29375) at 1:100-1:250 dilution.



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

Immunohistochemical staining of human duodenum with VIM polyclonal antibody (Cat # PAB29375) shows distinct positivity in mesenchymal and lymphoid cells at 1:1000-1:2500 dilution.



### Immunofluorescence

Immunofluorescent staining of human cell line U-251 MG with VIM polyclonal antibody (Cat # PAB29375) at 1-4 ug/mL concentration shows positivity in intermediate filaments.

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against recombinant human VIM. |
| **Immunogen** | Recombinant protein corresponding to human VIM. |
| **Sequence** | FANYIDKVRFLEQQNKILLAELEQLKGQGKSRLGDLYEEEMRELRRQVDQLTNDKARVEVERDNL AEDIMRLREKLQEEMLQREEAENTLQSFRQDVDNASLARLDLERKVES |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (1:1000-1:2500)<br>Immunofluorescence (1-4 ug/mL)<br>Western Blot (1:100-1:250)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>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. |

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

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- Immunofluorescence

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## 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