

Anti-Vimentin (pS39) Antibody

Rabbit polyclonal antibody to Vimentin (pS39)

Catalog # AP61096

Product Information

| | |
|-------------------|--------------------------------------|
| Application | WB |
| Primary Accession | P08670 |
| Other Accession | P20152 |
| Reactivity | Human, Mouse, Rat, Pig, Bovine, SARS |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 53652 |

Additional Information

| | |
|--------------------|---|
| Gene ID | 7431 |
| Other Names | Vimentin |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Vimentin. The exact sequence is proprietary. |
| Dilution | WB~~WB (1/500 - 1/1000) |
| Format | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

Protein Information

| | |
|-------------------|---|
| Name | VIM (HGNC:12692) |
| Function | Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Plays a role in cell directional movement, orientation, cell sheet organization and Golgi complex polarization at the cell migration front (By similarity). Protects SCRIB from proteasomal degradation and facilitates its localization to intermediate filaments in a cell contact-mediated manner (By similarity). May promote axon outgrowth and motor fiber repair via DSP-mediated recruitment to outgrowth tips (By similarity). |
| Cellular Location | Cytoplasm. Cytoplasm, cytoskeleton. Nucleus matrix {ECO:0000250 UniProtKB:P31000}. Cell membrane {ECO:0000250 UniProtKB:P20152}. Cell projection, axon {ECO:0000250 UniProtKB:P20152} |

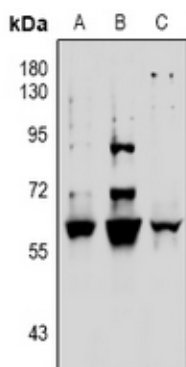
Tissue Location

Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.

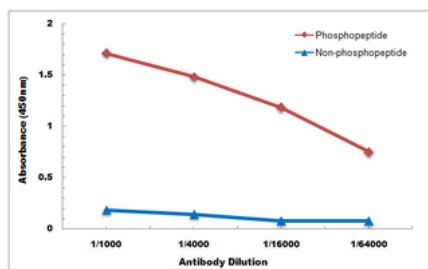
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Vimentin. The exact sequence is proprietary.

Images



Western blot analysis of Vimentin (pS39) expression in PMVEC (A), A2780 (B), NIH3T3L1 (C) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-Vimentin (pS39) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.