

Anti-Vimentin Antibody
Mouse Anti Human Monoclonal Antibody
Catalog # AP53427**Specification**

Anti-Vimentin Antibody - Product Information

Application	WB, IF, IP
Primary Accession	P08670
Other Accession	NM_003380
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Immunogen	Purified recombinant human Vimentin protein fragments expressed in E.coli.
Purification	Affinity purified
Calculated MW	57 KDa

Anti-Vimentin Antibody - Additional Information**Gene ID** 7431**Other Names**

CTRCT30; Epididymis luminal protein 113; FLJ36605; HEL113; OTTHUMP00000019224; VIM; VIME_HUMAN; Vimentin.

DilutionWB~~1:1000
IF~~1:50~200
IP~~N/A**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Anti-Vimentin Antibody - 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).

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Nucleus matrix {ECO:0000250|UniProtKB:P31000}. Cell membrane {ECO:0000250|UniProtKB:P20152}

Tissue Location

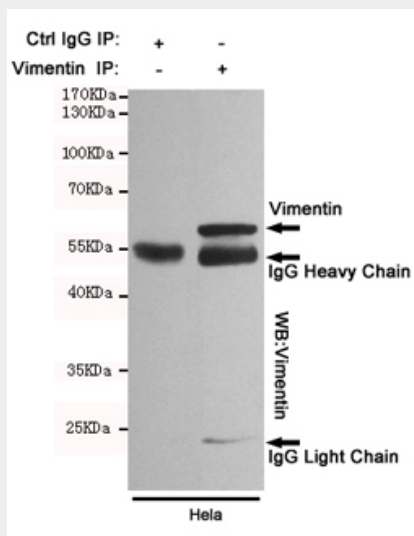
Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.

Anti-Vimentin Antibody - Protocols

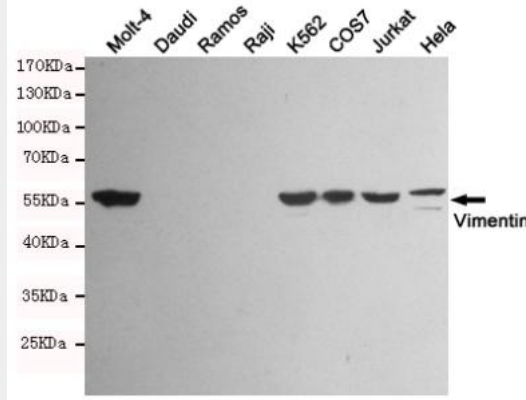
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

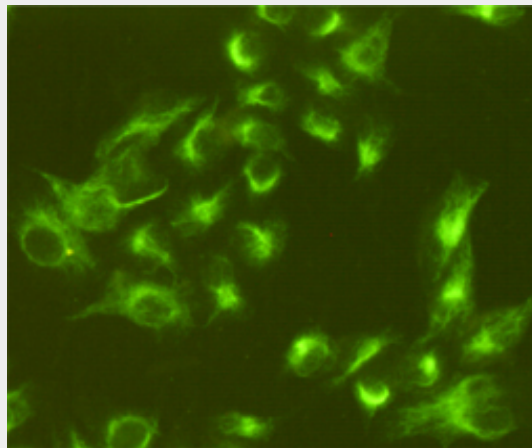
Anti-Vimentin Antibody - Images



Immunoprecipitation analysis of HeLa cell lysates using Vimentin mouse mAb.



Western blot detection of Vimentin in Molt-4, K562, COS7, Jurkat, HeLa and Vimentin negative cell (Daudi, Ramos, Raji) lysates using Vimentin mouse mAb (1:1000 diluted). Predicted band size: 57KDa. Observed band size: 57KDa.



Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-Vimentin mouse mAb (dilution 1:800).

Anti-Vimentin Antibody - Background

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