

Vimentin mouse mAb

Catalog No :	YM1448
Reactivity :	Human
Applications :	WB;IF;IP
Target :	Vimentin
Fields :	>>Epstein-Barr virus infection;>>MicroRNAs in cancer
Gene Name :	vim
Human Gene Id :	7431
Human Swiss Prot No :	P08670
Mouse Swiss Prot No :	P20152
Immunogen :	Purified recombinant human Vimentin protein fragments expressed in E.coli.
Specificity :	This antibody detects endogenous levels of Vimentin and does not cross-react with related proteins.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb dilution 1:1000 icc dilution 1:800. IF 1:50-200
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	57kD

Background :

This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.[provided by RefSeq, Jun 2009],

Function :

function:Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells.,online information:Vimentin entry,PTM:One of the most prominent phosphoproteins in various cells of mesenchymal origin. Phosphorylation is enhanced during cell division, at which time vimentin filaments are significantly reorganized.,sequence caution:Intron retention.,similarity:Belongs to the intermediate filament family.,subunit:Homopolymer. Interacts with HCV core protein. Interacts with LGSN and SYNM.,tissue specificity: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.,

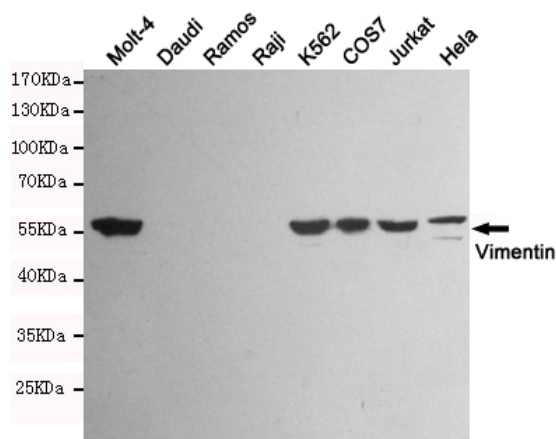
Subcellular Location :

Cytoplasm . Cytoplasm, cytoskeleton . Nucleus matrix . Cell membrane .

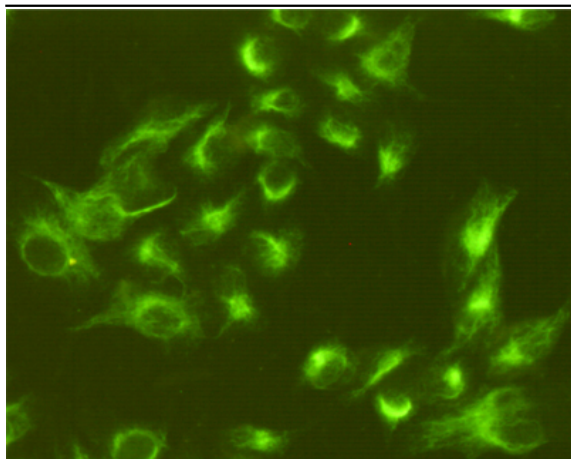
Expression :

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.

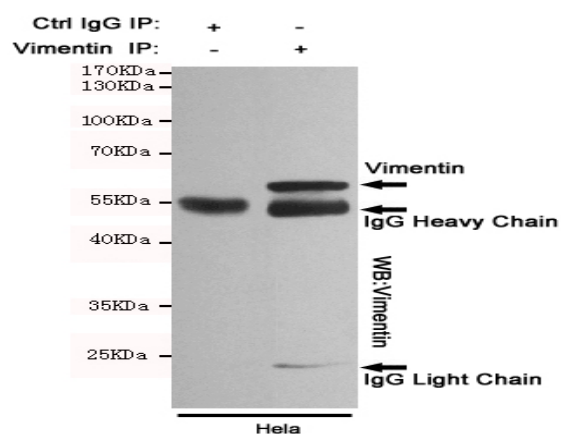
Products Images



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: 57 kDa. Observed band size: 57 kDa.



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



Immunoprecipitation analysis of HeLa cell lysates using Vimentin mouse mAb.