

Vimentin (phospho Tyr61) Polyclonal Antibody

Catalog No :	YP0275
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	Vimentin
Fields :	>>Epstein-Barr virus infection;>>MicroRNAs in cancer
Gene Name :	VIM
Protein Name :	Vimentin
Human Gene Id :	7431
Human Swiss Prot No :	P08670
Mouse Swiss Prot No :	P20152
Immunogen :	Synthesized phospho-peptide around the phosphorylation site of human Vimentin (phospho Tyr61)
Specificity :	Phospho-Vimentin (Y61) Polyclonal Antibody detects endogenous levels of Vimentin protein only when phosphorylated at Y61.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum 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.,

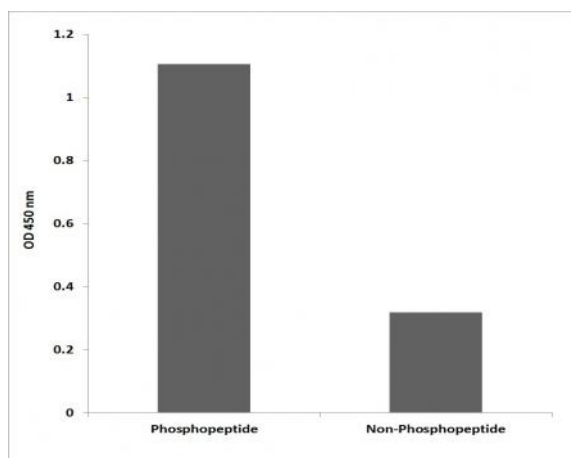
Subcellular Location :

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

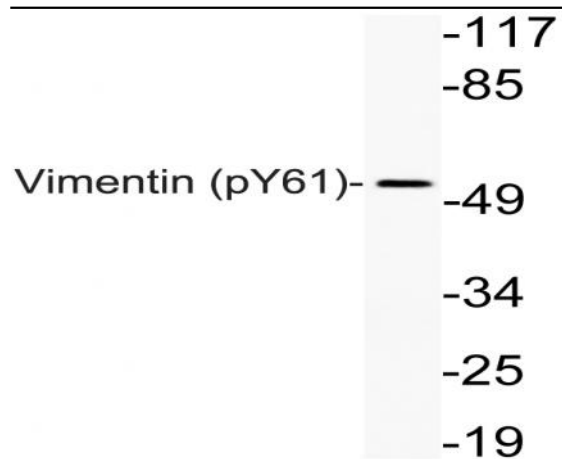
Expression :

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



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Vimentin (Phospho-Tyr61) Antibody



Western blot analysis of lysate from Jurkat cells, using phospho-Vimentin (Phospho-Tyr61) antibody.