Vimentin (Phospho Ser56) Rabbit pAb

CatalogNo: YP0767 Orthogonal Validated

Key Features

Host Species
- Rabbit

Reactivity
- Human,Rat,Mouse,

Applications
- WB,IHC,IF,ELISA

MW
- 54kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
ELISA 1:20000
IF 1:50-200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Vimentin around the phosphorylation site of Ser56. AA range:31-80

Specificity Phospho-Vimentin (S56) Polyclonal Antibody detects endogenous levels of Vimentin protein only when phosphorylated at S56.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):ASsPG

Target Information

Gene name VIM

Protein Name Vimentin

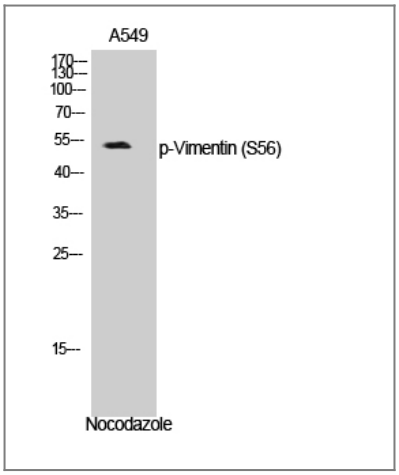
Organism	Gene ID	UniProt ID
Human	7431;	P08670;
Mouse	22352;	P20152;
Rat	81818;	P31000;

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

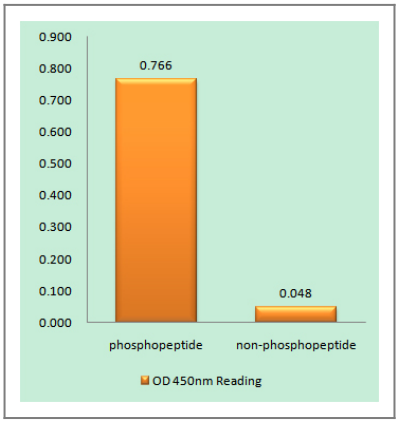
Tissue specificity Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.

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.,

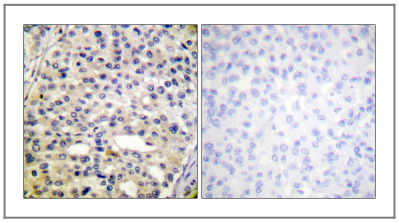
Validation Data



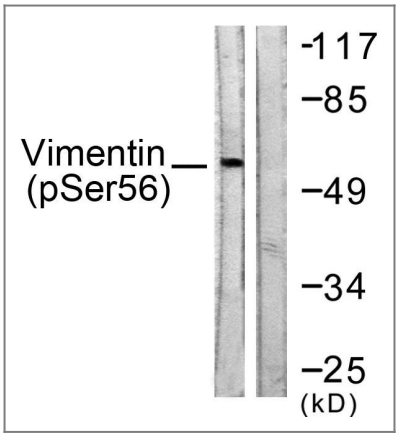
Western Blot analysis of A549 cells using Phospho-Vimentin (S56) Polyclonal Antibody



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Vimentin (Phospho-Ser56) Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using Vimentin (Phospho-Ser56) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from A549 cells treated with Nocodazole 1ug/ml 16h, using Vimentin (Phospho-Ser56) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
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