

For Research Use Only

# Phospho-Vimentin (Ser56) Recombinant monoclonal antibody

Catalog Number: 87149-1-RR



## Basic Information

Catalog Number:

87149-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_003380

GeneID (NCBI):

7431

ENSEMBL Gene ID:

ENSG00000026025

UNIPROT ID:

P08670

Full Name:

vimentin

Calculated MW:

54 kDa

Observed MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

25233483

Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : paclitaxel treated Jurkat cells, paclitaxel treated HeLa cells

## Background Information

Vimentin, also named as VIM, belongs to the intermediate filament family. Phospho-Vimentin (Ser56) is a phosphorylated form of the intermediate filament protein Vimentin that plays a significant role in regulating cellular functions such as smooth muscle contraction, cell migration, and mitosis. Phosphorylation of Vimentin at Ser-56 has been found to regulate vimentin depolymerization and the spatial reorientation of vimentin filaments, which modulates intercellular force transmission and contraction in smooth muscle. (PMID: 27457922)

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

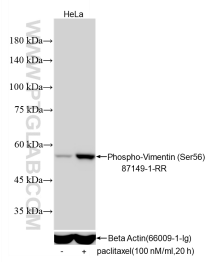
T: 4006900926

E: Proteintech-CN@ptglab.com

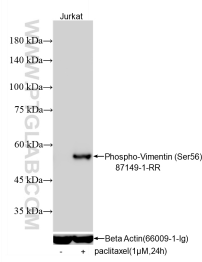
W: ptgcn.com

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## Selected Validation Data



Non-treated HeLa cells and paclitaxel treated HeLa cells were subjected to SDS PAGE followed by western blot with 87149-1-RR (Phospho-Vimentin (Ser56) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.



Non-treated Jurkat cells and paclitaxel treated Jurkat cells were subjected to SDS PAGE followed by western blot with 87149-1-RR (Phospho-Vimentin (Ser56) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Beta Actin (66009-1-Ig) antibody as a loading control.