

For Research Use Only

Phospho-Vimentin (Ser56) Recombinant monoclonal antibody, PBS Only

Catalog Number: 87149-1-PBS



Basic Information

Catalog Number:

87149-1-PBS

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

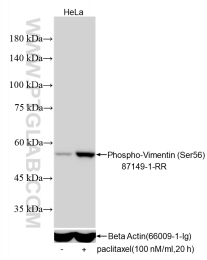
T: 4006900926

E: Proteintech-CN@ptglab.com

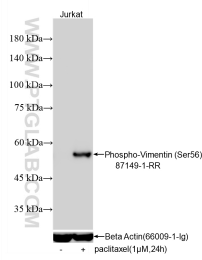
W: ptgcn.com

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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. This data was developed using the same antibody clone with 87149-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 87149-1-PBS in a different storage buffer formulation.