

For Research Use Only

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

Catalog Number: 87149-1-PBS



Basic Information

Catalog Number: 87149-1-PBS	GenBank Accession Number: NM_003380	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7431	CloneNo.: 252334B3
Source: Rabbit	ENSEMBL Gene ID: ENSG00000026025	
Isotype: IgG	UNIPROT ID: P08670	
	Full Name: vimentin	
	Calculated MW: 54 kDa	
	Observed MW: 57 kDa	

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.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



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.

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.