

For Research Use Only

# KIF7 Recombinant monoclonal antibody, PBS Only

Catalog Number:86970-1-PBS



## Basic Information

<b>Catalog Number:</b> 86970-1-PBS	<b>GenBank Accession Number:</b> BC112271	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 374654	<b>CloneNo.:</b> 252078H3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q2M1P5	
<b>Isotype:</b> IgG	<b>Full Name:</b> kinesin family member 7	
<b>Immunogen Catalog Number:</b> AG19119	<b>Calculated MW:</b> 1343 aa, 151 kDa	
	<b>Observed MW:</b> 150, 170 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

KIF7(Kinesin family member 7) is a microtubule interacting protein that functions to regulate Hh signaling by maintaining the architecture of the primary cilium, a complex microtubule-based organelle with many signal transduction functions (PMID: 26439735). KIF7 has been shown to have both negative and positive roles in Shh signal transduction. Without a ligand, KIF7 localizes to the cilium base where it forms a complex with Gli proteins and other pathway components and promotes the processing of GliRs (PMID: 21552264).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

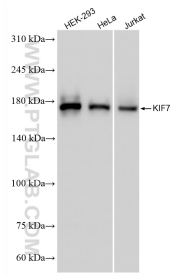
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

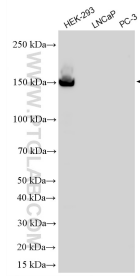
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86970-1-RR (KIF7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86970-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 86970-1-RR (KIF7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86970-1-PBS in a different storage buffer formulation.