

For Research Use Only

# PRIM1 Recombinant antibody, PBS Only

Catalog Number: 86051-1-PBS



## Basic Information

<b>Catalog Number:</b> 86051-1-PBS	<b>GenBank Accession Number:</b> BC005266	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5557	<b>CloneNo.:</b> 250690B8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49642	
<b>Isotype:</b> IgG	<b>Full Name:</b> primase, DNA, polypeptide 1 (49kDa)	
<b>Immunogen Catalog Number:</b> AG1124	<b>Calculated MW:</b> 50 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse

## Background Information

DNA replication in human cells is initiated by a complex apparatus containing a DNA polymerase-alpha/primase complex. Primase synthesizes oligoribonucleotides that serve as primers for the initiation of DNA synthesis. It plays a role in both the initiation of DNA replication and the synthesis of Okazaki fragments for lagging strand synthesis. PRIM1 is a subunit of this complex.

## Storage

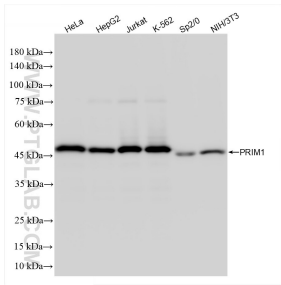
**Storage:**  
Store at -80°C.

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

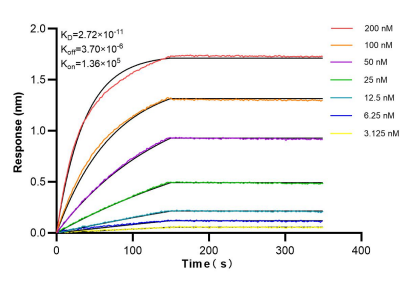
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86051-1-RR (PRIM1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86051-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86051-1-RR against Human PRIM1 were performed. The affinity constant is 27.2 pM.