

For Research Use Only

# ZNF618 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84998-1-PBS



## Basic Information

<b>Catalog Number:</b> 84998-1-PBS	<b>GenBank Accession Number:</b> NM_001318042.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 114991	<b>CloneNo.:</b> 242566D9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q5T7W0	
<b>Isotype:</b> IgG	<b>Full Name:</b> zinc finger protein 618	
<b>Immunogen Catalog Number:</b> AG36487	<b>Calculated MW:</b> 105kDa 954aa	
	<b>Observed MW:</b> 110-130 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84998-1-PBS targets ZNF618 as part of a matched antibody pair:

MP01753-2: 84998-1-PBS capture and 84998-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

Zinc finger protein 618 (ZNF618) is a key protein associated with DNA methylation and acts as a specific 5hmC reader in vivo to regulate UHRF2 function by promoting UHRF2 chromatin localization. In addition, ZNF618 is not only associated with the induction, maintenance or progression of female breast cancer, but is also up-regulated in lung cancer cells.

## Storage

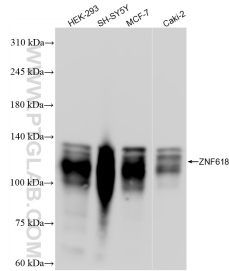
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only

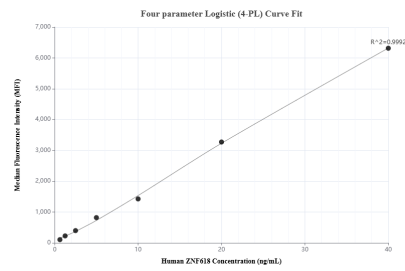
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

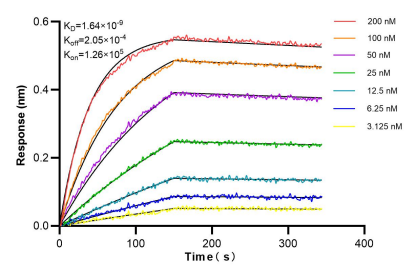
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84998-1-RR (ZNF618 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84998-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01753-2, ZNF618 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84998-1-PBS. Detection antibody: 84998-2-PBS. Standard: Ag36487. Range: 0.625-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84998-1-RR against Human ZNF618 were performed. The affinity constant is 1.64 nM.