

For Research Use Only

# PRPF19 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88331-1-PBS



## Basic Information

|                                                             |                                                                                       |                                                       |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>88331-1-PBS                       | <b>GenBank Accession Number:</b><br>BC008719                                          | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>27339                                                        | <b>CloneNo.:</b><br>260837A11                         |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>Q9UMS4                                                          |                                                       |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae) |                                                       |
| <b>Immunogen Catalog Number:</b><br>AG7700                  | <b>Calculated MW:</b><br>55 kDa                                                       |                                                       |
|                                                             | <b>Observed MW:</b><br>55 kDa                                                         |                                                       |

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human

## Product Information

88331-1-PBS targets PRPF19 as part of a matched antibody pair:

MP03457-2: 88331-1-PBS capture and 88331-4-PBS detection (validated in Sandwich ELISA)

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

PRPF19 is involved in several processes, including DNA damage checkpoint signaling; cellular protein metabolic process; and mRNA splicing, via spliceosome.

## Storage

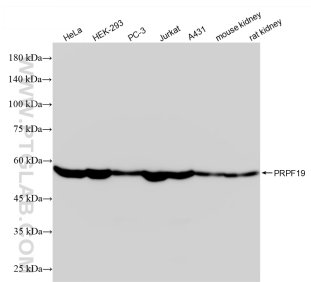
**Storage:**  
Store at -80°C.

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

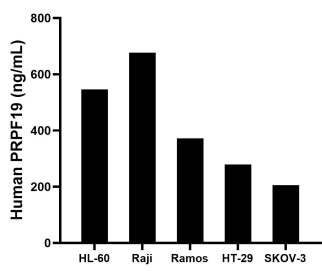
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

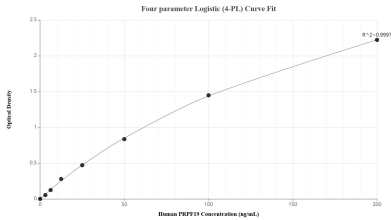
## Selected Validation Data



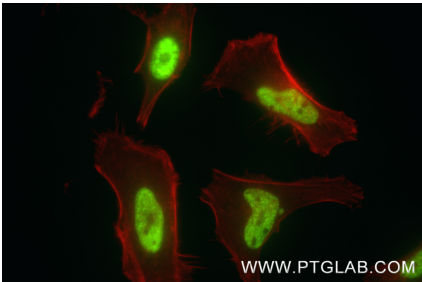
Various lysates were subjected to SDS PAGE followed by western blot with 88331-1-RR (PRPF19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88331-1-PBS in a different storage buffer formulation.



The mean PRPF19 concentration was determined to be 545.95 ng/mL in HL-60 cell extract based on a 1.20 mg/mL extract load, 677.04 ng/mL in Raji cell extract based on a 1.50 mg/mL extract load, 371.27 ng/mL in Ramos cell extract based on a 1.20 mg/mL extract load, 278.50 ng/mL in HT-29 cell extract based on a 1.20 mg/mL extract load and 205.25 ng/mL in SKOV-3 cell extract based on a 1.20 mg/mL extract load.



Sandwich ELISA standard curve of MP03457-2, Human PRPF19 Recombinant Matched Antibody Pair - PBS only. 88331-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag7700. 88331-4-PBS was HRP conjugated as the detection antibody. Range: 3.13-200 ng/mL.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PRPF19 antibody (88331-1-RR, Clone: 260837A11) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 88331-1-PBS in a different storage buffer formulation.