

For Research Use Only

# PUS1 Polyclonal antibody, PBS Only

Catalog Number: 11512-1-PBS

Featured Product



## Basic Information

Catalog Number:

11512-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2071

GenBank Accession Number:

BC019320

GeneID (NCBI):

80324

UNIPROT ID:

Q9Y606

Full Name:

pseudouridylate synthase 1

Calculated MW:

427 aa, 47 kDa

Observed MW:

40 kDa, 44 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

PUS1 is a protein-coding gene located on human chromosome 12q24.33, encoding a pseudouridine synthase that catalyzes the isomerization of uridine to pseudouridine ( $\Psi$ ) in RNA molecules. This post-transcriptional modification is the most abundant RNA modification in cells and plays essential roles in RNA structure stabilization and function. (PMID: 38450158)

## Storage

Storage:

Store at  $-80^{\circ}\text{C}$ .

**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

Storage Buffer:

PBS only, pH7.3

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

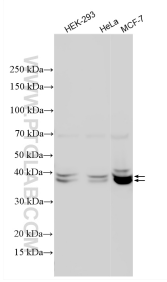
T: 4006900926

E: Proteintech-CN@ptglab.com

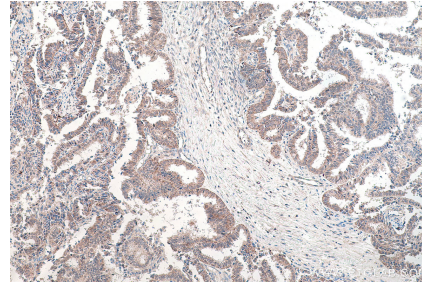
W: ptgcn.com

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

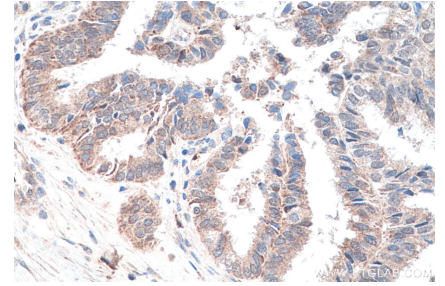
## Selected Validation Data



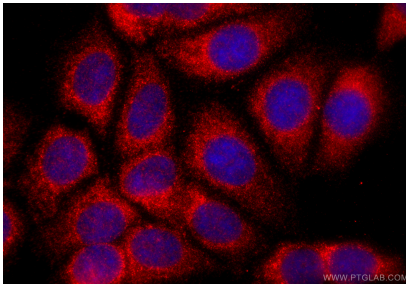
Various lysates were subjected to SDS PAGE followed by western blot with 11512-1-AP (PUS1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11512-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 11512-1-AP (PUS1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11512-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 11512-1-AP (PUS1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 11512-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using PUS1 antibody (11512-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4). This data was developed using the same antibody clone with 11512-1-PBS in a different storage buffer formulation.