

For Research Use Only

PUS1 Polyclonal antibody, PBS Only

Catalog Number: 11512-1-PBS

Featured Product



Basic Information

Catalog Number:

11512-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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 (Ψ) 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°C.

Storage Buffer:

PBS only, pH7.3

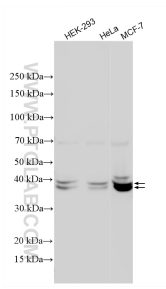
For technical support and original validation data for this product please contact:

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

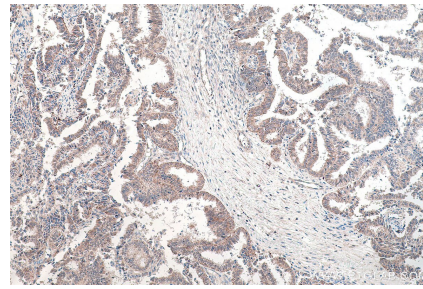
E: proteintech@ptglab.com
W: ptglab.com

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

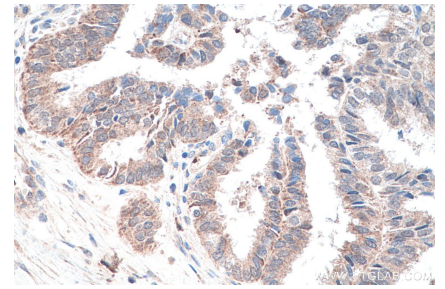
Selected Validation Data



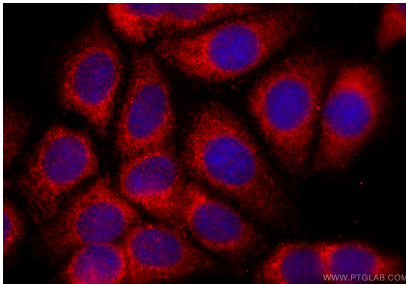
Various lysates were subjected to SDS PAGE followed by western blot with 11512-1-AP (PUS1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11512-1-PBS in a different storage buffer formulation.



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.