

For Research Use Only

# USP4 Polyclonal antibody, PBS Only

Catalog Number: 24976-1-PBS



## Basic Information

Catalog Number:

24976-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21684

GenBank Accession Number:

BC125131

GeneID (NCBI):

7375

UNIPROT ID:

Q13107

Full Name:

ubiquitin specific peptidase 4 (proto-oncogene)

Calculated MW:

963 aa, 109 kDa

Observed MW:

109 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

## Background Information

USP4, also known as UNP and UNPH, belongs to the peptidase C19 family and USP4 subfamily. USP4 is a deubiquitinating enzyme that links to mitogen-activated protein kinase signaling, pre-mRNA splicing, and control of p53 stability (PMID: 26455393). USP4 has 3 isoforms with the molecular mass of 36, 104 and 109 kDa. Recently, it has been reported that USP4 is a critical factor in promoting lung cancer stemness and potentially useful lung cancer prognosis marker (PMID: 32549341).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

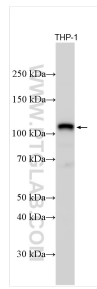
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

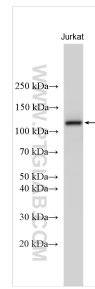
W: [ptgcn.com](http://ptgcn.com)

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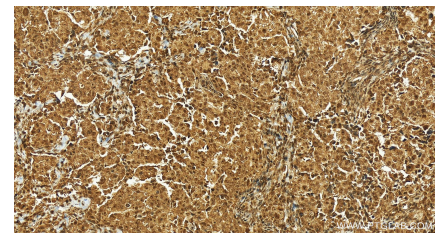
## Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 24976-1-AP (USP4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24976-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 24976-1-AP (USP4 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24976-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 24976-1-AP (USP4 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 24976-1-PBS in a different storage buffer formulation.