

For Research Use Only

USP4 Monoclonal antibody, PBS Only



Catalog Number: 66822-1-PBS

Basic Information

Catalog Number:

66822-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG28297

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:

Protein A purification

CloneNo.:

1G11G8

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

Human, Mouse

Background Information

USP4, also named as UNP and UNPH, belongs to the peptidase C19 family and USP4 subfamily. USP4 is a Deubiquitinating enzymes 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

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

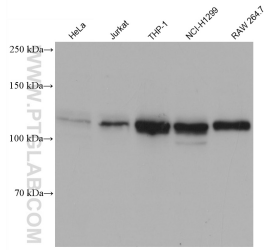
T: 4006900926

E: Proteintech-CN@ptglab.com

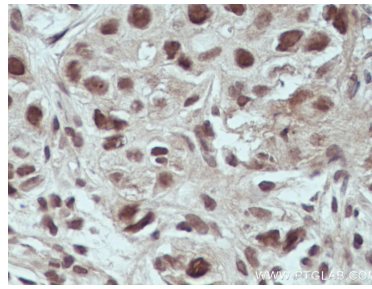
W: ptgcn.com

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

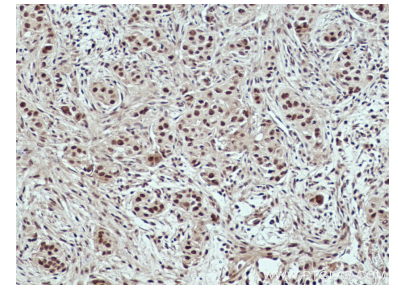
Selected Validation Data



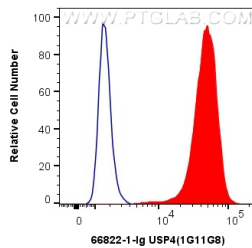
Various lysates were subjected to SDS PAGE followed by western blot with 66822-1-Ig (USP4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66822-1-PBS in a different storage buffer formulation.



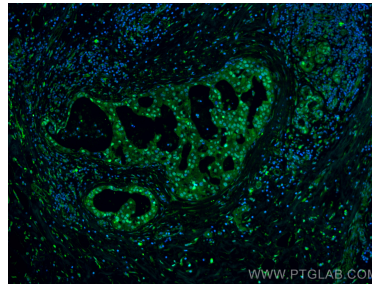
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66822-1-Ig (USP4 antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66822-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66822-1-Ig (USP4 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66822-1-PBS in a different storage buffer formulation.



1X10⁶ THP-1 cells were intracellularly stained with 0.4 ug Anti-Human USP4 (66822-1-Ig, Clone:1G11G8) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2b isotype control Mouse McAb (66360-3-Ig, Clone: 11B8C4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 66822-1-PBS in a



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using USP4 antibody (66822-1-Ig, Clone: 1G11G8) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66822-1-PBS in a different storage buffer formulation.