

For Research Use Only

USP5 Monoclonal antibody, PBS Only

Catalog Number: 66213-1-PBS

Featured Product



Basic Information

Catalog Number:

66213-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7575

GenBank Accession Number:

BC005139

GeneID (NCBI):

8078

UNIPROT ID:

P45974

Full Name:

ubiquitin specific peptidase 5
(isopeptidase T)

Calculated MW:

96 kDa

Observed MW:

95-105 kDa

Purification Method:

Protein A purification

CloneNo.:

3F12C10

Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

human, mouse, rat

Background Information

USP5, also named as ISOT, belongs to the peptidase C19 family. Knock-down of USP5 causes the accumulation of TP53/p53 and an increase in TP53/p53 transcriptional activity because the unanchored polyubiquitin that accumulates is able to compete with ubiquitinated TP53/p53 but not with MDM2 for proteasomal recognition. USP5 is a potential target for p53 activating therapeutic agents for the treatment of cancer (PMID: 19098288). It is a novel proteasome associated protein (PMID: 19182904). USP5 cleaves linear and branched multiubiquitin polymers with a marked preference for branched polymers.

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:

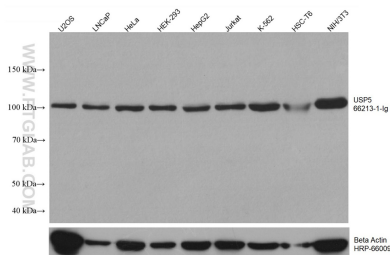
T: 4006900926

E: Proteintech-CN@ptglab.com

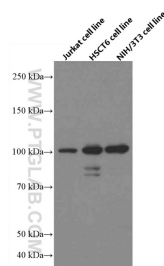
W: ptgcn.com

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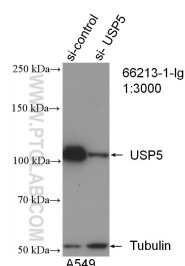
Selected Validation Data



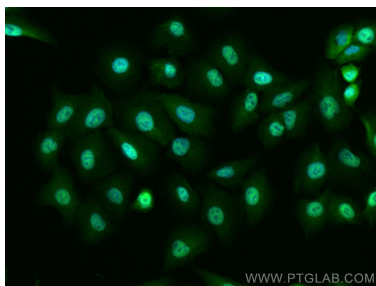
Various lysates were subjected to SDS PAGE followed by western blot with 66213-1-Ig (USP5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 66213-1-PBS in a different storage buffer formulation.



Jurkat cells were subjected to SDS PAGE followed by western blot with 66213-1-Ig (USP5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66213-1-PBS in a different storage buffer formulation.



WB result of USP5 antibody (66213-1-Ig; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP5 transfected A549 cells. This data was developed using the same antibody clone with 66213-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using USP5 antibody (66213-1-Ig, Clone: 3F12C10) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66213-1-PBS in a different storage buffer formulation.