

For Research Use Only

USP33 Polyclonal antibody

Catalog Number: 20445-1-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

20445-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14268

GenBank Accession Number:

BC016663

GeneID (NCBI):

23032

UNIPROT ID:

Q8TEY7

Full Name:

ubiquitin specific peptidase 33

Calculated MW:

942 aa, 107 kDa

Observed MW:

103 kDa, 107 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, HeLa cells, mouse brain tissue

IP : HEK-293 cells,

IHC : human prostate cancer tissue, human kidney tissue

IF/ICC : U2OS cells,

Background Information

USP33 (Ubiquitin carboxyl-terminal hydrolase 33) is also named as KIAA1097, VDU1 and belongs to the peptidase C19 family. This protein, originally identified as a von Hippel-Lindau tumor suppressor (VHL) protein-interacting deubiquitinating enzyme, binds to the Robo1 receptor, and that USP33 is required for Slit responsiveness in breast cancer cells (PMID:19706539). The localization of USP33 is broadly confined to the secretory pathway, with all variants localizing to endoplasmic reticulum-associated structures (PMID:21801292). It has 3 isoforms produced by alternative splicing. This antibody is specific to USP33.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenyang Gao	34630422	Front Immunol	WB
Yukang Yuan	34779558	EMBO Rep	WB, IP
Qiao Cheng	28506875	Exp Cell Res	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

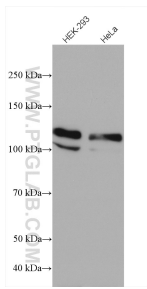
For technical support and original validation data for this product please contact:

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

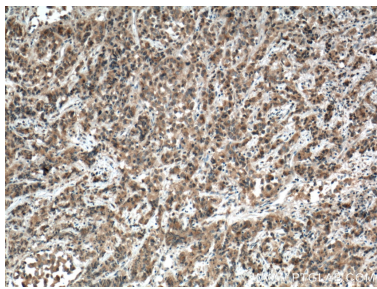
E: proteintech@ptglab.com
W: ptglab.com

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

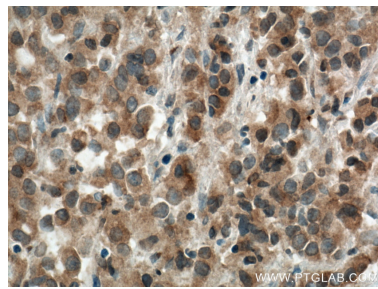
Selected Validation Data



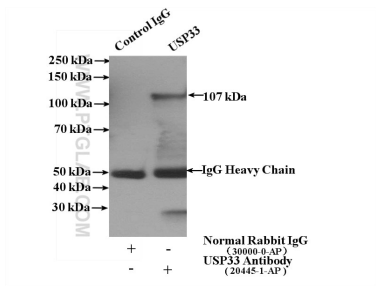
Various lysates were subjected to SDS PAGE followed by western blot with 20445-1-AP (USP33 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



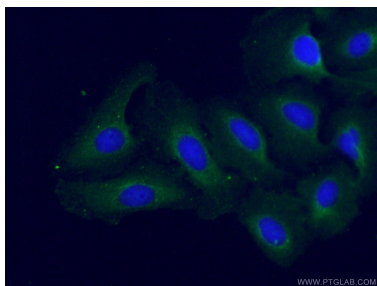
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 20445-1-AP (USP33 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 20445-1-AP (USP33 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-USP33 (IP:20445-1-AP, 4ug; Detection:20445-1-AP 1:300) with HEK-293 cells lysate 2400ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using 20445-1-AP (USP33 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated Goat Anti-Rabbit IgG(H+L).