

For Research Use Only

USP21 Polyclonal antibody

Catalog Number: 17856-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

17856-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12316

GenBank Accession Number:

BC090946

GeneID (NCBI):

27005

UNIPROT ID:

Q9UK80

Full Name:

ubiquitin specific peptidase 21

Calculated MW:

565 aa, 63 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, CoIP, RIP

Species Specificity:

human, mouse

Cited Species:

human, mouse

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: A549 cells, HeLa cells, RAW 264.7 cells, recombinant protein, HepG2 cells, HuH-7 cells

IHC: human breast cancer tissue, human pancreas tissue, mouse heart tissue

IF/ICC: RAW 264.7 cells,

Background Information

USP21 (Ubiquitin carboxyl-terminal hydrolase 21) is also named as USP23. The USPs belong to a subclass of the protein-deubiquitinating enzyme (DUB) superfamily that are categorized into five subclasses based on their ubiquitin-protease domains in the human genome and have been shown to be involved in a broad range of biological activities (PMID:19910467). USP21 is expressed at different levels in the tissues examined. The highest level of USP21 expression is found in the heart, pancreas, and skeletal muscle. USP21 messages could also be detected in the brain, placenta, liver, and kidney but are very low in the Lung through the northern blot (PMID:10799498).

Notable Publications

Author	Pubmed ID	Journal	Application
Fu-Shun Hsu	34769137	Int J Mol Sci	IHC
Qing-Dong Wang	36285444	Pathol Int	WB, CoIP
Zikou Liu	34698396	EMBO J	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

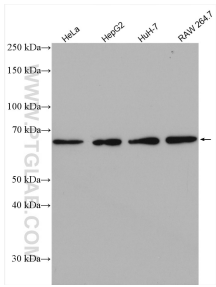
For technical support and original validation data for this product please contact:

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

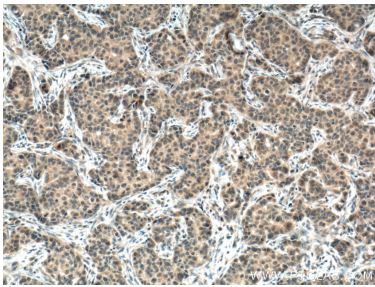
E: proteintech@ptglab.com
W: ptglab.com

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

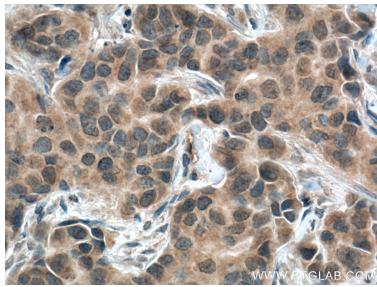
Selected Validation Data



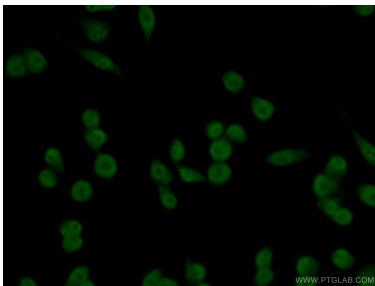
Various lysates were subjected to SDS PAGE followed by western blot with 17856-1-AP (USP21 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



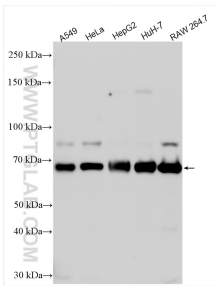
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17856-1-AP (USP21 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 17856-1-AP (USP21 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using 17856-1-AP (USP21 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 17856-1-AP (USP21 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.