

For Research Use Only

UCHL3 Polyclonal antibody

Catalog Number: 12384-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

12384-1-AP

Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3053

GenBank Accession Number:

BC018125

GeneID (NCBI):

7347

UNIPROT ID:

P15374

Full Name:

ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)

Calculated MW:

26 kDa

Observed MW:

26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IP, IF, IHC, CoIP

Species Specificity:

human, mouse, rat

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 : HeLa cells, rat spleen tissue, Jurkat cells

IP : HeLa cells,

IHC : human pancreas cancer tissue,

Background Information

UCH-L3 belongs to the ubiquitin C-terminal hydrolase family that deubiquitinates ubiquitin-protein conjugates in the ubiquitin-proteasome system. This enzyme indirectly increases the phosphorylation of IGF1R, AKT, FOXO1 and promotes insulin-signaling and insulin-induced adipogenesis. It is required for stress-response retinal, skeletal muscle and germ cell maintenance and may be involved in working memory.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhiwang Song	31598398	Am J Cancer Res	WB,IHC
Christian Grethe	36216817	Nat Commun	WB
Qian Lei	32606430	Sci Rep	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

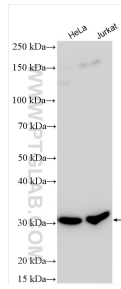
For technical support and original validation data for this product please contact:

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

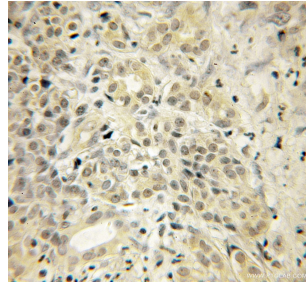
E: proteintech@ptglab.com
W: ptglab.com

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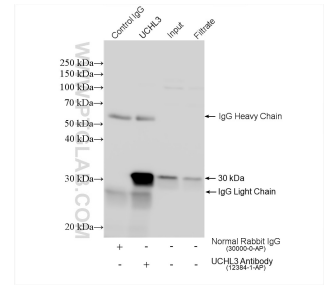
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12384-1-AP (UCL3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 12384-1-AP (UCL3 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-UCL3 (IP:12384-1-AP, 4ug; Detection:12384-1-AP 1:3000) with HeLa cells lysate 1320 ug.