

For Research Use Only

UCHL3 Recombinant antibody

Catalog Number: 84542-6-RR



Basic Information

Catalog Number:

84542-6-RR

Size:

1000 µg/ml

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:

Protein A purification

CloneNo.:

242015A10

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, 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: HeLa cells, mouse spleen tissue, MCF-7 cells, Jurkat cells, SH-SY5Y cells, BxPC-3 cells, rat spleen tissue

IHC: mouse testis tissue,

Background Information

UCHL3 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.

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

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

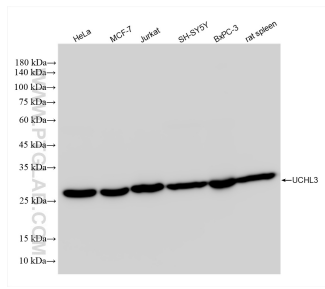
T: 4006900926

E: Proteintech-CN@ptglab.com

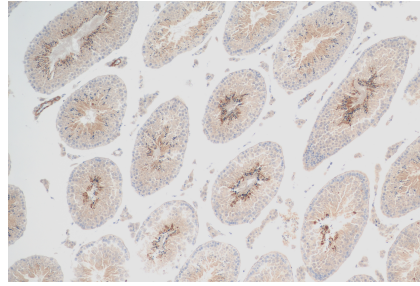
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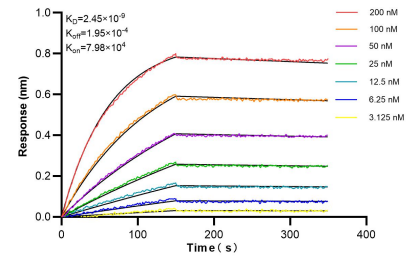
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84542-6-RR (UCHL3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 84542-6-RR (UCHL3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 84542-6-RR against Human UCHL3 were performed. The affinity constant is 2.45 nM.