

For Research Use Only

UCHL3 Recombinant antibody

Catalog Number: 84542-6-RR



Basic Information

Catalog Number: 84542-6-RR	GenBank Accession Number: BC018125	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7347	CloneNo.: 242015A10
Source: Rabbit	UNIPROT ID: P15374	Recommended Dilutions: WB 1:500-1:2000 IHC 1:200-1:800
Isotype: IgG	Full Name: ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase)	
Immunogen Catalog Number: AG3053	Calculated MW: 26 kDa	
	Observed MW: 26 kDa	

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

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.

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

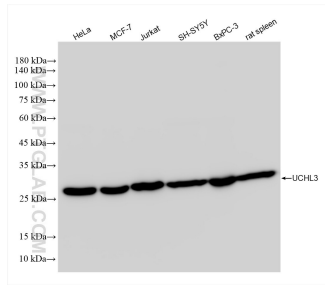
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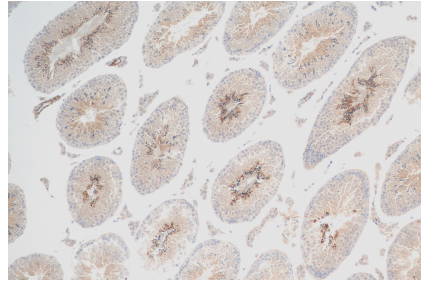
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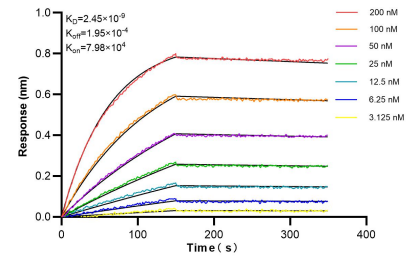
Selected Validation Data



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.