

Product datasheet for **TA342564**

UCHL3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-Uchl3 antibody is: synthetic peptide directed towards the middle region of Mouse Uchl3. Synthetic peptide located within the following region: IHAIANNKDKMHFESGSTLKKFLEESVMSPEERAKFLENYDAIRVTHET
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26 kDa
Gene Name:	ubiquitin C-terminal hydrolase L3
Database Link:	NP_005993 Entrez Gene 50933 Mouse P15374



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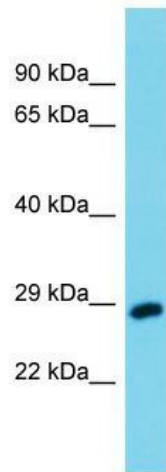
Background: Deubiquitinating enzyme (DUB) that controls levels of cellular ubiquitin through processing of ubiquitin precursors and ubiquitinated proteins. Thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of either ubiquitin or NEDD8. Uchl3 has a 10-fold preference for Arg and Lys at position P3', and exhibits a preference towards 'Lys-48'-linked Ubiquitin chains. Uchl3 deubiquitinates ENAC in apical compartments, thereby regulating apical membrane recycling. Uchl3 indirectly increases the phosphorylation of IGF1R, AKT and FOXO1 and promotes insulin-signaling and insulin-induced adipogenesis. It is required for stress-response retinal, skeletal muscle and germ cell maintenance. Uchl3 may be involved in working memory and can hydrolyze UBB(+1), a mutated form of ubiquitin which is not effectively degraded by the proteasome.

Synonyms: UCH-L3

Note: Immunogen Sequence Homology: Dog: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Pig: 93%; Bovine: 93%; Guinea pig: 93%; Yeast: 83%

Protein Families: Druggable Genome, Protease

Product images:



Host: Rabbit; Target Name: Uchl3; Sample Tissue: Mouse Testis lysates; Antibody Dilution: 1.0 ug/ml