

Anti-UCHL3 Rabbit Monoclonal Antibody
Catalog # ABO13609**Specification**

Anti-UCHL3 Rabbit Monoclonal Antibody - Product Information

Application	WB
Primary Accession	P15374
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-UCHL3 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-UCHL3 Rabbit Monoclonal Antibody - Additional Information

Gene ID 7347

Other Names

Ubiquitin carboxyl-terminal hydrolase isozyme L3, UCH-L3, 3.4.19.12, Ubiquitin thioesterase L3, UCHL3

Calculated MW

26183 MW KDa

Application Details

WB 1:1000-1:2000

Subcellular Localization

Cytoplasm.

Tissue Specificity

Highly expressed in heart, skeletal muscle, and testis..

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human UCHL3

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated

freeze-thaw cycles.

Anti-UCHL3 Rabbit Monoclonal Antibody - Protein Information

Name UCHL3

Function

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. Has a 10-fold preference for Arg and Lys at position P3", and exhibits a preference towards 'Lys-48'-linked ubiquitin chains. Deubiquitinates ENAC in apical compartments, thereby regulating apical membrane recycling. Indirectly increases the phosphorylation of IGFIR, AKT and FOXO1 and promotes insulin-signaling and insulin-induced adipogenesis. Required for stress-response retinal, skeletal muscle and germ cell maintenance. May be involved in working memory. Can hydrolyze UBB(+1), a mutated form of ubiquitin which is not effectively degraded by the proteasome and is associated with neurodegenerative disorders.

Cellular Location

Cytoplasm.

Tissue Location

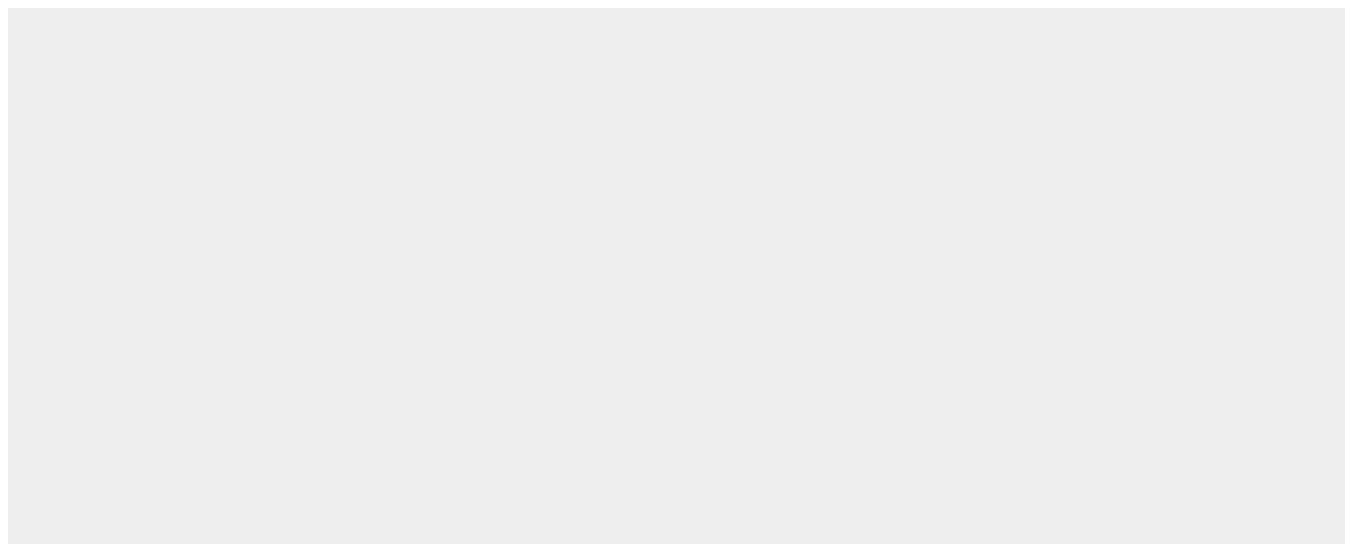
Highly expressed in heart, skeletal muscle, and testis.

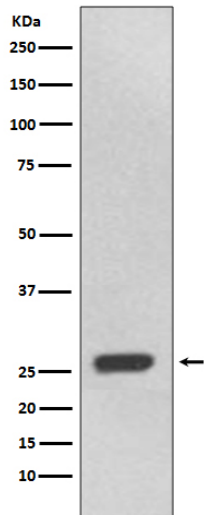
Anti-UCHL3 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-UCHL3 Rabbit Monoclonal Antibody - Images





Western blot analysis of UCHL3 expression in 293T cell lysate.