

Datasheet for ABIN2788014
anti-UCHL3 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	UCHL3 (Uchl3)
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Horse, Dog, Rabbit, Guinea Pig, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCHL3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of Mouse Uchl3
Sequence:	IHAIANNKDK MHFESGSTLK KFLEESVSMS PEERAKFLEN YDAIRVTHT
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 83%
Characteristics:	This is a rabbit polyclonal antibody against Uchl3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	UCHL3 (Uchl3)
Alternative Name:	Uchl3 (Uchl3 Products)

Target Details

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 IGFIR, 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. Alias Symbols: - Protein Interaction Partner: Nedd8, Protein Size: 230
Molecular Weight:	26 kDa
Gene ID:	50933
NCBI Accession:	NM_016723 , NP_057932
UniProt:	Q9JKB1
Pathways:	Feeding Behaviour , Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 230 AA
Restrictions:	For Research Use only

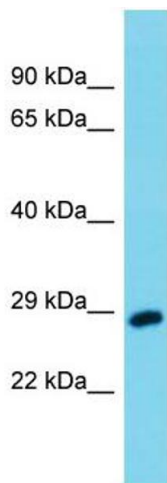
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. Host: Rabbit Target Name: Uchl3 Sample Type: Mouse Testis lysates Antibody Dilution: 1.0ug/ml