Datasheet for ABIN3029426

anti-UCHL3 antibody (AA 195-225)

5 Images

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Overview

Quantity:	0.4 mL
Target:	UCHL3 (Uchl3)
Binding Specificity:	AA 195-225
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCHL3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 195-225 from the human protein was used as the immunogen for this UCHL3 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Bovine, Pig
Purification:	Purified

Target Details

Target:	UCHL3 (Uchl3)
Alternative Name:	UCHL3 (Uchl3 Products)
Background:	Covalent attachment of the C-terminus of ubiquitin to cellular proteins plays a role in a variety

Target Details

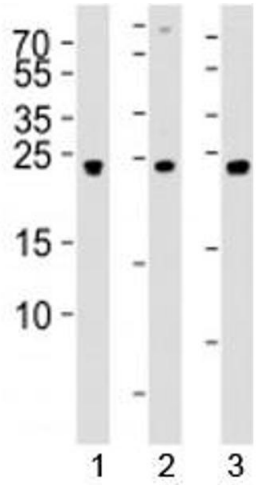
	of cellular processes. Ubiquitin C-terminal hydrolysis is catalyzed by deubiquitinating (DUB) enzymes and is necessary for several functions, including liberation of monomeric ubiquitin from the precursors encoded by ubiquitin genes and recycling of ubiquitin monomers. There are 2 distinct families of DUBs, ubiquitin-specific proteases (UBPs) and ubiquitin C-terminal hydrolases (UCHs). Mayer and Wilkinson (1989) identified 4 distinct UCH activities from bovine thymus. All 4 were thiol proteases and had high-affinity binding sites for ubiquitin. Wilkinson et al. (1989) purified the predominant isozyme, UCHL3, and raised antibodies against it. By screening a human B-cell expression library with the antibodies, the authors isolated cDNAs encoding human UCHL3. Sequence comparisons revealed that the sequence of the predicted 230-amino acid human UCHL3 protein is 54 % identical to that of UCHL1.
UniProt:	P15374
Pathways:	Feeding Behaviour, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	Titration of the UCHL3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only

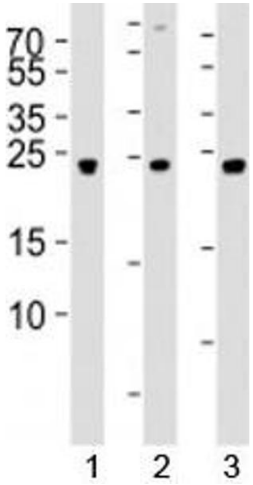
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the UCHL3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



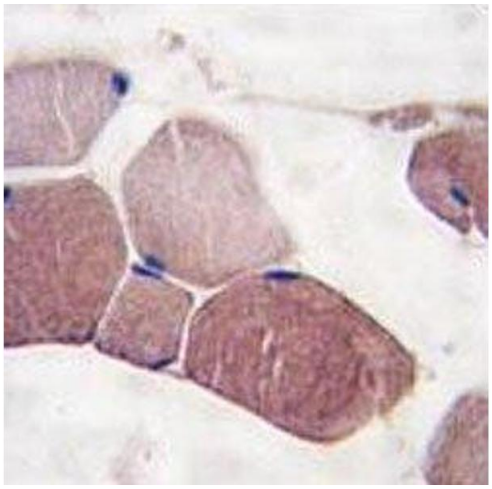
Western Blotting

Image 1. Western blot analysis of lysate from 1) 293, 2) SW620, and 3) U-87 MG cell line using UCHL3 antibody at 1:1000.



Western Blotting

Image 2. Western blot analysis of lysate from 1) 293, 2) SW620, and 3) U-87 MG cell line using UCHL3 antibody at 1:1000.



Immunohistochemistry

Image 3. IHC analysis of FFPE human skeletal muscle tissue stained with UCHL3 antibody

Please check the product details page for more images. Overall 5 images are available for ABIN3029426.