Datasheet for ABIN1882147

anti-UCHL3 antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	UCHL3 (Uchl3)
Binding Specificity:	AA 195-225, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCHL3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This UCHL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 195-225 amino acids from the C-terminal region of human UCHL3.
Clone:	RB4187
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Pig, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	UCHL3 (Uchl3)

Target Details

Alternative Name:	UCHL3 (Uchl3 Products)
Background:	Covalent attachment of the C-terminus of ubiquitin to cellular proteins plays a role in a variety 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.
Molecular Weight:	26183
NCBI Accession:	NP_001257881, NP_005993
UniProt:	P15374
Pathways:	Feeding Behaviour, Positive Regulation of fat Cell Differentiation

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:10~50. IHC-P: 1:10~50
Restrictions:	For Research Use only

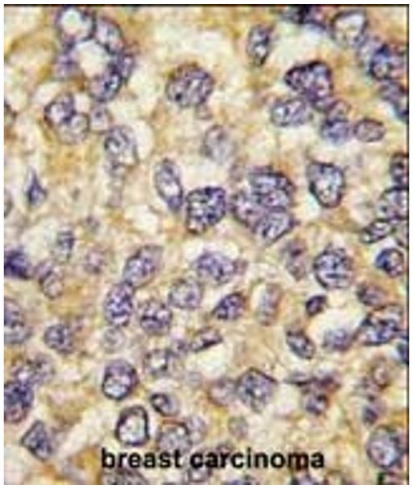
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Expiry Date:	6 months

Publications

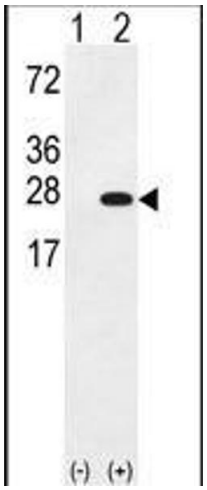
Product cited in:	Tekin, Erden, Ozyalin, Cigremis, Colak, Sandal: "The effects of intracerebroventricular infusion of irisin on feeding behaviour in rats." in: **Neuroscience letters**, Vol. 645, pp. 25-32, (2017) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with UCHL3 antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of his tag antibody in UCHL3 gene transfected 293 lysates (35 µg/lane). His-tag UCHL3 protein (arrow) is detected.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with UCHL3 Antibody (C-term) (ABIN1882147 and ABIN2839167) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Images

Please check the product details page for more images. Overall 4 images are available for ABIN1882147.

