Datasheet for ABIN3029428

anti-UCHL5 antibody (AA 56-87)

3 Images

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Overview

Quantity:	0.4 mL
Target:	UCHL5
Binding Specificity:	AA 56-87
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This UCHL5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 56-87 from the human protein was used as the immunogen for this UCH37 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Bovine, Pig
Purification:	Purified

Target Details

Target:	UCHL5
Alternative Name:	UCH37 (UCHL5 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:	Q9Y5K5

Application Details

Application Notes:	Titration of the UCH37 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100
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 UCH37 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

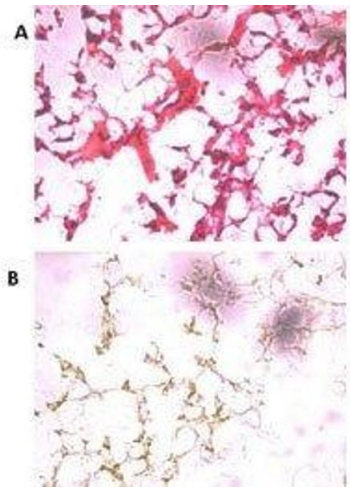
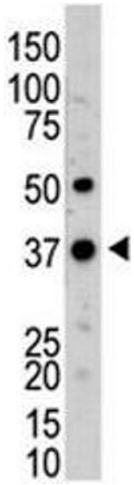
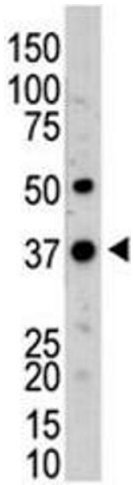


Image 1. (A) H&E staining of frozen human ovarian cancer tissue with UCH37 antibody at 1:250. (B) 60X magnification.



Western Blotting

Image 2. Western blot testing of UCH37 antibody and mouse kidney tissue lysate



Western Blotting

Image 3. Western blot testing of UCH37 antibody and mouse kidney tissue lysate