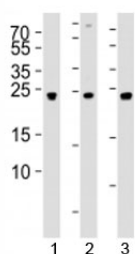


UCHL3 Antibody (F47954)

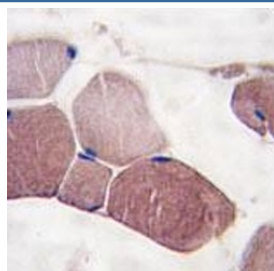
Catalog No.	Formulation	Size
F47954-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47954-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

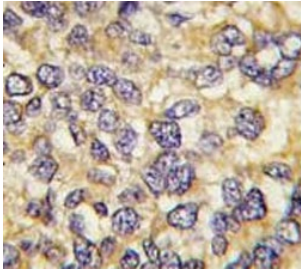
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Pig
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P15374
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This UCHL3 antibody is available for research use only.



Western blot analysis of lysate from 1) 293, 2) SW620, and 3) U-87 MG cell line using UCHL3 antibody at 1:1000. Predicted molecular weight ~26 kDa.



IHC analysis of FFPE human breast carcinoma tissue stained with UCHL3 antibody



Description

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.

Application Notes

Titration of the UCHL3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 195-225 from the human protein was used as the immunogen for this UCHL3 antibody.

Storage

Aliquot the UCHL3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.