

Datasheet for ABIN388904

**anti-USP15 antibody (N-Term)****5** Images[Go to Product page](#)

## Overview

Quantity:	400 µL
Target:	USP15
Binding Specificity:	AA 151-180, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP15 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This USP15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 151-180 amino acids from the N-terminal region of human USP15.
Clone:	RB4337
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	USP15
Alternative Name:	USP15 ( <a href="#">USP15 Products</a> )

## Target Details

**Background:** Modification of target proteins by ubiquitin participates in a wide array of biological functions. Proteins destined for degradation or processing via the 26 S proteasome are coupled to multiple copies of ubiquitin. However, attachment of ubiquitin or ubiquitin-related molecules may also result in changes in subcellular distribution or modification of protein activity. An additional level of ubiquitin regulation, deubiquitination, is catalyzed by proteases called deubiquitinating enzymes, which fall into four distinct families. Ubiquitin C-terminal hydrolases, ubiquitin-specific processing proteases (USPs),<sup>1</sup> OTU-domain ubiquitin-aldehyde-binding proteins, and Jab1/Pad1/MPN-domain-containing metallo-enzymes. Among these four families, USPs represent the most widespread and represented deubiquitinating enzymes across evolution. USPs tend to release ubiquitin from a conjugated protein. They display similar catalytic domains containing conserved Cys and His boxes but divergent N-terminal and occasionally C-terminal extensions, which are thought to function in substrate recognition, subcellular localization, and protein-protein interactions.

**Molecular Weight:** 112419

**Gene ID:** 9958

**NCBI Accession:** [NP\\_001239007](#), [NP\\_001239008](#), [NP\\_006304](#)

**UniProt:** [Q9Y4E8](#)

## Application Details

**Application Notes:** IF: 1:25. WB: 1:1000. WB: 1:1000. IHC-P-Leica: 1:500. IHC-P-Leica: 1:2500

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

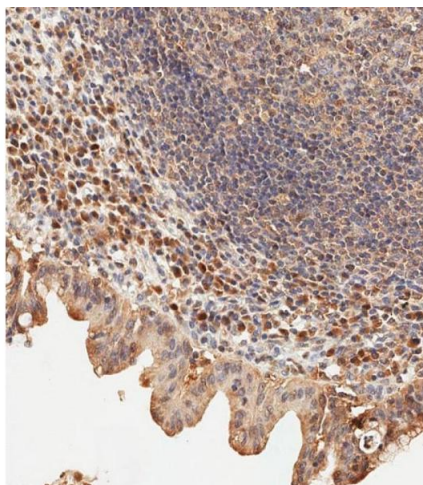
**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

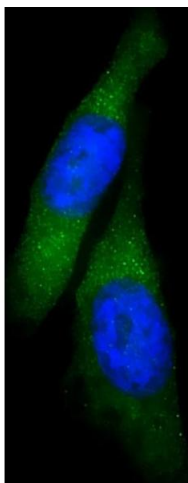
**Storage:** 4 °C, -20 °C

**Storage Comment:** Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.



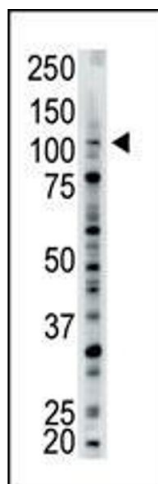
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical analysis of paraffin-embedded human epityphlon tissue using (ABIN388904 and ABIN2839189) performed on the Leica® BOND RXm. Samples were incubated with primary Antibody (1/2500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



#### Immunofluorescence

**Image 2.** Immunofluorescent analysis of 4 % paraformaldehyde-fixed, 0.1 % Triton X-100 permeabilized Hela cells labeling USP15 with (ABIN388904 and ABIN2839189) at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-Rabbit IgG secondary antibody at 1/200 dilution (green). Immunofluorescence image showing Cytoplasm and Weak Nucleus staining on Hela cell line. The nuclear counter stain is DI (blue).



#### Western Blotting

**Image 3.** The anti-USP15 Pab (ABIN388904 and ABIN2839189) is used in Western blot to detect USP15 in mouse brain tissue lysate.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN388904.