

Datasheet for ABIN7184513
anti-USP15 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	USP15
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP15 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Synthesized peptide derived from N-terminal of Human USP15.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Target Details

Target:	USP15
Alternative Name:	USP15 (USP15 Products)
Background:	Background: Hydrolase that removes conjugated ubiquitin from target proteins and regulates

Target Details

various pathways such as the TGF-beta receptor signaling and NF-kappa-B pathways. Acts as a key regulator of TGF-beta receptor signaling pathway, but the precise mechanism is still unclear: according to a report, acts by promoting deubiquitination of monoubiquitinated R-SMADs (SMAD1, SMAD2 and/or SMAD3), thereby alleviating inhibition of R-SMADs and promoting activation of TGF-beta target genes (). According to another reports, regulates the TGF-beta receptor signaling pathway by mediating deubiquitination and stabilization of TGFBR1, leading to an enhanced TGF-beta signal (). Able to mediate deubiquitination of monoubiquitinated substrates as well as 'Lys-48'-linked polyubiquitin chains, protecting them against proteasomal degradation. Acts as an associated component of COP9 signalosome complex (CSN) and regulates different pathways via this association: regulates NF-kappa-B by mediating deubiquitination of NFKBIA and deubiquitinates substrates bound to VCP. Protects APC and human papillomavirus type 16 protein E6 against degradation via the ubiquitin proteasome pathway.

Kim K.I., Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.

Nagase T., DNA Res. 5:31-39(1998).

Nakajima D., DNA Res. 9:99-106(2002).

Aliases: Deubiquitinating enzyme 15 antibody, Deubiquitinating enzyme antibody, EC 3 1 2 15 antibody, KIAA0529 antibody, MGC131982 antibody, MGC149838 antibody, MGC74854 antibody, Ubiquitin Carboxy terminal Hydrolase 15 antibody, Ubiquitin carboxyl-terminal hydrolase 15 antibody, Ubiquitin specific peptidase 15 antibody, Ubiquitin specific processing protease 15 antibody, Ubiquitin Specific Protease 15 antibody, Ubiquitin thioesterase 15 antibody, Ubiquitin thiolesterase 15 antibody, Ubiquitin-specific-processing protease 15 antibody, UBP 15 antibody, UBP15 antibody, UBP15_HUMAN antibody, Unph 2 antibody, UNPH 4 antibody, Unph-2 antibody, Unph2 antibody, Unph4 antibody, USP 15 antibody, Usp15 antibody

UniProt: [Q9Y4E8](#)

Application Details

Application Notes: WB:1:500-1:3000,

Restrictions: For Research Use only

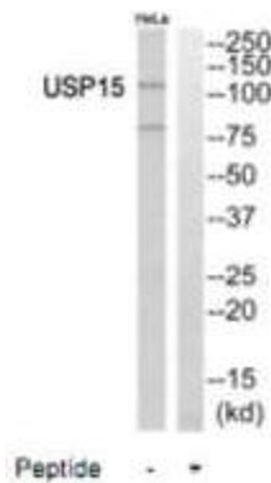
Handling

Format: Liquid

Handling

Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Western Blotting

Image 1. Western blot analysis of extracts from HeLa cells, using USP15 antibody.