

[Go to Product page](#)

Datasheet for ABIN7120499 **anti-USP15 antibody**

Overview

Quantity:	100 µg
Target:	USP15
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This USP15 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP)

Product Details

Immunogen:	ubiquitin specific peptidase 15
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	USP15
Alternative Name:	USP15 (USP15 Products)
Background:	Synonyms:Deubiquitinating enzyme 15, KIAA0529, Ubiquitin thiolesterase 15, Unph 2, UNPH4, USP15 Background:Hydrolase that removes conjugated ubiquitin from target proteins and regulates 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

Target Details

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(PubMed:21947082). 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(PubMed:22344298). Able to mediate deubiquitination of monoubiquitinated substrates as well as 'Lys-48'-linked polyubiquitin chains, protecting them against proteasomal degradation. May also regulate gene expression and/or DNA repair through the deubiquitination of histone H2B(PubMed:24526689). 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.

Molecular Weight:	112 kDa
-------------------	---------

Gene ID:	9958
----------	------

UniProt:	Q9Y4E8
----------	------------------------

Application Details

Application Notes:	WB: 1:500-1:5000, IP: 1:500-1:5000, IHC: 1:50-1:500
--------------------	---

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
---------	--

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:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
------------------	--

Expiry Date:	12 months
--------------	-----------