


Anti-USP5 antibody ab84695

[1 References](#) [3 Images](#)

Overview

Product name	Anti-USP5 antibody
Description	Rabbit polyclonal to USP5
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
Immunogen	Synthetic peptide corresponding to a region between residue 375 and 425 of Human USP5 (CAA62690.1).
Positive control	IHC: Human Colon Carcinoma, human ovarian carcinoma
General notes	Concentration is optimized for IHC and not determined The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Applications

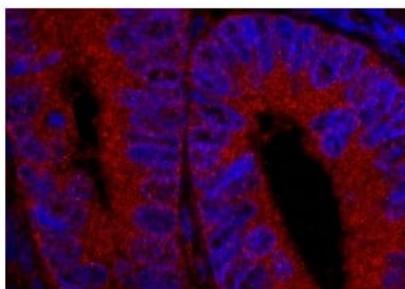
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab84695 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

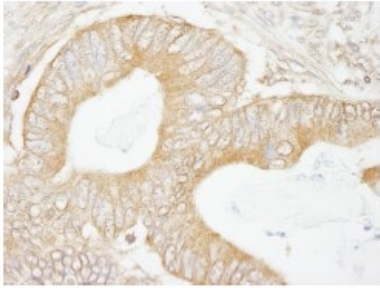
Function	Cleaves linear and branched multiubiquitin polymers with a marked preference for branched polymers. Involved in unanchored 'Lys-48'-linked polyubiquitin disassembly. Binds linear and 'Lys-63'-linked polyubiquitin with a lower affinity. Knock-down of USP5 causes the accumulation of p53/TP53 and an increase in p53/TP53 transcriptional activity because the unanchored polyubiquitin that accumulates is able to compete with ubiquitinated p53/TP53 but not with MDM2 for proteasomal recognition.
Sequence similarities	Belongs to the peptidase C19 family. Contains 2 UBA domains. Contains 1 UBP-type zinc finger.
Domain	The UBP-type zinc finger domain interacts selectively with an unmodified C-terminus of the proximal ubiquitin. Both UBA domains are involved in polyubiquitin recognition.
Post-translational modifications	The N-terminus is blocked.

Images



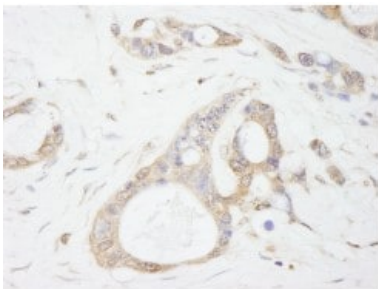
ab84695, at 1/100 dilution, staining USP5 in formalin-fixed, paraffin-embedded human colon carcinoma by Immunohistochemistry using a Red-fluorescent goat anti-rabbit IgG highly cross-adsorbed Hilyte PlusTM555 secondary antibody at a dilution of 1/100.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP5 antibody (ab84695)



ab84695, at 1/100 dilution, staining USP5 in formalin-fixed, paraffin-embedded human colon carcinoma by Immunohistochemistry using DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP5 antibody (ab84695)



ab84695, at 1/500 dilution, staining USP5 in formalin-fixed, paraffin-embedded human ovarian carcinoma by Immunohistochemistry using DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP5 antibody (ab84695)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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