

Product datasheet

Anti-USP33 antibody ab95902

2 图像

概述

产品名称	Anti-USP33抗体
描述	兔多克隆抗体to USP33
宿主	Rabbit
经测试应用	适用于: IHC-P
种属反应性	与反应: Mouse, Human 预测可用于: Rabbit, Horse, Guinea pig, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Campylobacter jejuni, Elephant ▲
免疫原	Synthetic peptide corresponding to a region between residue 900 and the C-terminus (residue 942) of human USP33 (NP_055832.3).
阳性对照	human breast carcinoma, mouse renal cell carcinoma.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: 0.1% BSA, Tris buffered saline
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab95902** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		1/100 - 1/500. Epitope exposure is recommended. Epitope exposure with tris-EDTA pH9.0 buffer will enhance staining.

## 靶标

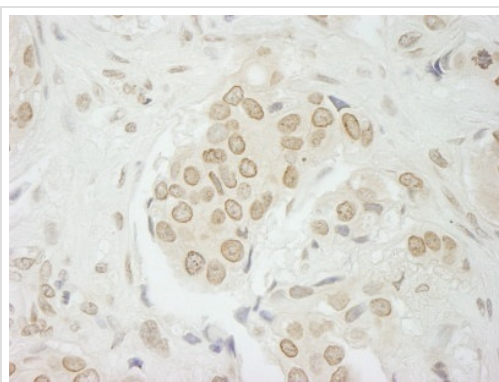
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<b>功能</b>	Deubiquitinating enzyme involved in various processes such as cellular migration and beta-2 adrenergic receptor/ADRB2 recycling. Involved in cell migration via its interaction with intracellular domain of ROBO1, leading to regulate the Slit signaling. Plays a role in commissural axon guidance cross the ventral midline of the neural tube in a Slit-dependent manner, possibly by mediating the deubiquitination of ROBO1. Acts as a regulator of G-protein coupled receptor (GPCR) signaling by mediating the deubiquitination of beta-arrestins (ARRB1 and ARRB2) and beta-2 adrenergic receptor (ADRB2). Plays a central role in ADRB2 recycling and resensitization after prolonged agonist stimulation by constitutively binding ADRB2, mediating deubiquitination of ADRB2 and inhibiting lysosomal trafficking of ADRB2. Upon dissociation, it is probably transferred to the translocated beta-arrestins, leading to beta-arrestins deubiquitination and disengagement from ADRB2. This suggests the existence of a dynamic exchange between the ADRB2 and beta-arrestins. Deubiquitinates DIO2, thereby regulating thyroid hormone regulation. Mediates deubiquitination of both 'Lys-48'-and 'Lys-63'-linked polyubiquitin chains.
<b>组织特异性</b>	Widely expressed.
<b>序列相似性</b>	Belongs to the peptidase C19 family. USP20/USP33 subfamily. Contains 2 DUSP domains. Contains 1 UBP-type zinc finger.
<b>结构域</b>	The UBP-type zinc finger binds 3 zinc ions. However, it does not bind ubiquitin, probably because the conserved Arg in position 86 is replaced by a Glu residue.
<b>翻译后修饰</b>	Ubiquitinated via a VHL-dependent pathway for proteasomal degradation.
<b>细胞定位</b>	Cytoplasm > perinuclear region. According to PubMed:12865408, it localizes in the endoplasmic reticulum; however the relevance of such result is unclear.

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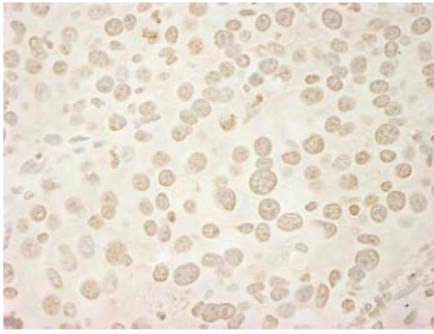
## 图片

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Section of human breast carcinoma. Antibody: Affinity purified rabbit anti-USP33 (ab95902) used at a dilution of 1:250. Detection: DAB staining

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP33 antibody (ab95902)



Section of mouse renal cell carcinoma.

Antibody: Affinity purified rabbit anti-USP33

(ab95902) used at a dilution of 1:250.

Detection: DAB staining

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP33 antibody (ab95902)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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