

Product datasheet

Anti-USP9x antibody ab26334

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製品の概要

<b>製品名</b>	Anti-USP9x antibody
<b>製品の詳細</b>	Rabbit polyclonal to USP9x
<b>由来種</b>	Rabbit
<b>特異性</b>	USP9x exists as the full-length protein as well as several fragmented proteins: 289kDa Human protein: Q93008 USP9X protein (Full length) 105kDa Human protein: Q6P468 - USP9X protein (Fragment) 99.7kDa Human protein: Q59EZ5 - USP9X protein variant (Fragment). 53.9kDa Human protein: Q86X58 - USP9X protein (Fragment). ab26334 detects the full-length protein at ~290kDa as well as the 105 and 54kDa fragments. All detected bands are quenched by the immunizing peptide <a href="#">ab20618</a> . Immunizing peptide has 87% homology with USP9Y, which may be recognized by ab26334
<b>アプリケーション</b>	<b>適用あり:</b> WB, IHC-P, ICC/IF <b>適用なし:</b> IHC (PFA fixed) or IHC-Fr
<b>種交差性</b>	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse 
<b>免疫原</b>	Synthetic peptide conjugated to KLH derived from within residues 2500 to the C-terminus of Human USP9x. Immunogen <a href="#">の所有権に関して</a> (Peptide available as <a href="#">ab20618</a> .)
<b>ポジティブ・コントロール</b>	USP9x can be detected in the polarized intestinal cell line T84 which is a human colon carcinoma epithelial cell line. In tissue culture: USP9x is also observed in L-cell fibroblasts and MDCK cells. USP9x is ubiquitously expressed in all adult tissues. ICC/IF: HeLa cells.

製品の特性

<b>製品の状態</b>	Liquid
<b>保存方法</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>バッファー</b>	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
<b>精製度</b>	Immunogen affinity purified
<b>ポリモノ</b>	ポリクローナル
<b>アイソタイプ</b>	IgG

## アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab26334** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 54, 105, 289 kDa (predicted molecular weight: 292 kDa).
IHC-P		1/450. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 5 µg/ml.

## 追加情報

Is unsuitable for IHC (PFA fixed) or IHC-Fr.

## ターゲット情報

### 機能

Deubiquitinase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. May therefore play an important regulatory role at the level of protein turnover by preventing degradation of proteins through the removal of conjugated ubiquitin. Essential component of TGF-beta/BMP signaling cascade. Regulates chromosome alignment and segregation in mitosis by regulating the localization of BIRC5/survivin to mitotic centromeres. Specifically hydrolyzes both 'Lys-29'- and 'Lys-33'-linked polyubiquitins chains. Specifically deubiquitinates monoubiquitinated SMAD4, opposing the activity of E3 ubiquitin-protein ligase TRIM33.

### 組織特異性

Widely expressed in embryonic and adult tissues.

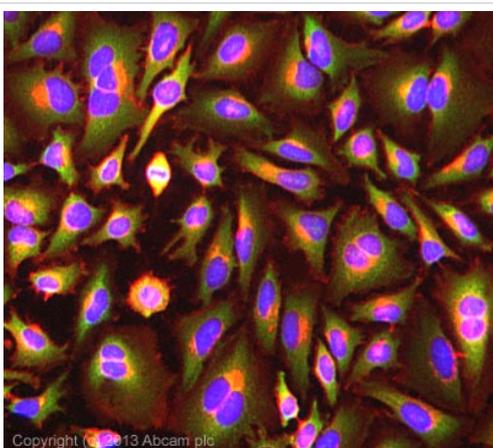
### 配列類似性

Belongs to the peptidase C19 family.

### 細胞内局在

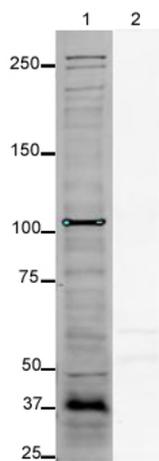
Cytoplasm.

## 画像



ICC/IF image of ab26334 stained HeLa cells. The cells were 100% Methanol fixed (5min) and then incubated in 1%BSA / 10% normal Goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab26334, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#), DyLight® 488 Goat anti-Rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Immunocytochemistry/ Immunofluorescence - Anti-USP9x antibody (ab26334)



Western blot - Anti-USP9x antibody (ab26334)

USP9x exists as the full-length protein as well as several fragmented proteins:

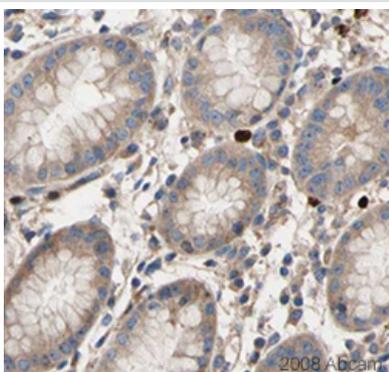
289kDa Human protein: Q93008 USP9X protein (Full length)

105kDa Human protein: Q6P468 - USP9X protein (Fragment)

99.7kDa Human protein: Q59EZ5 - USP9X protein variant (Fragment)

53.9kDa Human protein: Q86X58 - USP9X protein (Fragment)

ab26334 detects the full-length protein at ~290kDa as well as the 105 and 54kDa fragments. All detected bands are quenched by the immunizing peptide [ab20618](#).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-USP9x antibody (ab26334)

Image courtesy of [Human Protein Atlas](#)

ab26334 staining USP9x in Human stomach. The paraffin embedded human skin tissue was incubated with ab26334 (1/450 dilution) for 30 mins at room temperature. Antigen retrieval was performed by heat induction in citrate buffer pH 6. Ab26334 was tested in a tissue microarray (TMA) containing a wide range of normal and cancer tissues as well as a cell microarray consisting of a range of commonly used, well characterised human cell lines.

Further results for this antibody can be found at [www.proteinatlas.org](http://www.proteinatlas.org)

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

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