

For Research Use Only

# USP33 Polyclonal ANTIBODY

Catalog Number: 12060-2-AP



## Basic Information

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|---|--|--|
| <b>Catalog Number:</b><br>12060-2-AP  | <b>GenBank Accession Number:</b><br>BC016663         | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150UL, Concentration: 213 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>23032                       | <b>Recommended Dilutions:</b><br>WB 1:200-1:1000<br>IHC 1:20-1:200 |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>ubiquitin specific peptidase 33 |  |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>942 aa, 107 kDa             |  |
| <b>Immunogen Catalog Number:</b><br>AG2695  | <b>Observed MW:</b><br>107 kDa/ 103 kDa/ 93 kDa      |  |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>IHC, WB, ELISA  | <b>Positive Controls:</b><br>WB: HEK-293 cells,<br>IHC: human medulloblastoma tissue, human prostate cancer tissue |
| <b>Species Specificity:</b><br>human, mouse, rat   |  |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |  |

## Background Information

USP33(Ubiquitin carboxyl-terminal hydrolase 33) is also named as KIAA1097, VDU1 and belongs to the peptidase C19 family. This protein, originally identified as a von Hippel-Lindau tumor suppressor (VHL) protein-interacting deubiquitinating enzyme, binds to the Robo1 receptor, and that USP33 is required for Slit responsiveness in breast cancer cells(PMID:19706539). The localization of USP33 is broadly confined to the secretory pathway, with all variants localizing to endoplasmic reticulum-associated structures(PMID:21801292). It has 3 isoforms produced by alternative splicing.

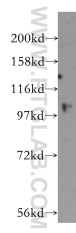
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

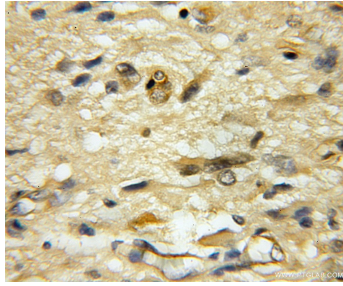
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 12060-2-AP (USP33 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human medulloblastoma using 12060-2-AP (USP33 antibody) at dilution of 1:50 (under 10x lens).