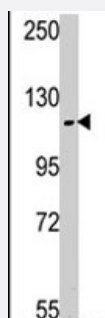


# USP11 polyclonal antibody

Catalog # PAB4191

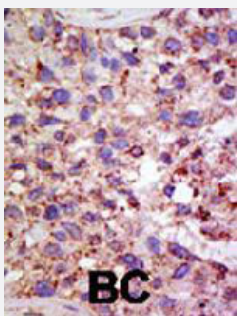
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of USP11 polyclonal antibody (Cat # PAB4191) in Jurkat cell line lysates (35 ug/lane). USP11 (arrow) was detected using the purified USP11 polyclonal antibody (Cat # PAB4191) (1 : 60 dilution).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with USP11 polyclonal antibody (Cat # PAB4191), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma.

## Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of USP11.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human USP11.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

<b>Recommend Usage</b>	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — USP11

<b>Entrez GeneID</b>	<a href="#">8237</a>
<b>Protein Accession#</b>	<a href="#">UB11_HUMAN</a>
<b>Gene Name</b>	USP11
<b>Gene Alias</b>	UHX1
<b>Gene Description</b>	ubiquitin specific peptidase 11
<b>Omim ID</b>	<a href="#">300050</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

## Gene Summary

Protein ubiquitination controls many intracellular processes, including cell cycle progression, transcriptional activation, and signal transduction. This dynamic process, involving ubiquitin conjugating enzymes and deubiquitinating enzymes, adds and removes ubiquitin. Deubiquitinating enzymes are cysteine proteases that specifically cleave ubiquitin from ubiquitin-conjugated protein substrates. This gene encodes a deubiquitinating enzyme which lies in a gene cluster on chromosome Xp 11.23 [provided by RefSeq]

## Other Designations

deubiquitinating enzyme 11|ubiquitin carboxyl-terminal hydrolase, X-linked|ubiquitin specific protease 11|ubiquitin thiolesterase 11|ubiquitin-specific processing protease 11

## Publication Reference

- [X-linked ubiquitin-specific peptidase 11 increases tauopathy vulnerability in women.](#)

Yan Yan, Xinming Wang, Dale Chaput, Min-Kyoo Shin, Yeejung Koh, Li Gan, Andrew A Pieper, Jung-A A Woo, David E Kang.  
Cell 2022 Oct; 185(21):3913.

Application: IF, Mouse, Mouse frontal cortex

- [USP11 promotes growth and metastasis of colorectal cancer via PPP1CA-mediated activation of ERK/MAPK signaling pathway.](#)

Sun H, Ou B, Zhao S, Liu X, Song L, Liu X, Wang R, Peng Z.  
EBioMedicine 2019 Oct; 48:236.

Application: IP-WB, IHC, WB-Ti, WB-Tr, Human, Colorectal cancer, HCT-116, HCT8, 293T cells

- [Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.](#)

Strausberg RL, Feingold EA, Grouse LH, Derge JG, Klausner RD, Collins FS, Wagner L, Shenmen CM, Schuler GD, Altschul SF, Zeeberg B, Buetow KH, Schaefer CF, Bhat NK, Hopkins RF, Jordan H, Moore T, Max SI, Wang J, Hsieh F, Diatchenko L, Marusina K, Farmer AA, Rubin GM, Hong L, Stapleton M, Soares MB, Bonaldo MF, Casavant TL, Scheetz TE, Brownstein MJ, Ustin TB, Toshiyuki S, Caminci P, Prange C, Raha SS, Loquellano NA, Peters GJ, Abramson RD, Mullahy SJ, Bosak SA, McEwan PJ, McKernan KJ, Malek JA,  
PNAS 2002 Dec; 99(26):16899.

- [Structural and functional characterization of the USP11 deubiquitinating enzyme, which interacts with the RanGTP-associated protein RanBPM.](#)

Ideguchi H, Ueda A, Tanaka M, Yang J, Tsuji T, Ohno S, Hagiwara E, Aoki A, Ishigatsubo Y.  
The Biochemical Journal 2002 Oct; 367(Pt 1):87.

- [A ubiquitin C-terminal hydrolase gene on the proximal short arm of the X chromosome: implications for X-linked retinal disorders.](#)

Swanson DA, Freund CL, Ploder L, McInnes RR, Valle D.  
Human Molecular Genetics 1996 Apr; 5(4):533.