

For Research Use Only

# USP2 Polyclonal antibody

Catalog Number: 10392-1-AP

Featured Product

14 Publications



## Basic Information

<b>Catalog Number:</b> 10392-1-AP	<b>GenBank Accession Number:</b> BC002955	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 µg/ml by Nanodrop and 273 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9099	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75604	
<b>Isotype:</b> IgG	<b>Full Name:</b> ubiquitin specific peptidase 2	
<b>Immunogen Catalog Number:</b> AG0591	<b>Calculated MW:</b> 41 kDa, 69 kDa	
	<b>Observed MW:</b> 68 kDa, 41-45 kDa	

## Applications

<b>Tested Applications:</b> WB, IF, IHC, ELISA	<b>Positive Controls:</b> WB : NIH/3T3 cells, mouse brain tissue, mouse kidney tissue, MCF-7 cells, HEK-293 cells
<b>Cited Applications:</b> WB, IF, IHC, CoIP	<b>IHC :</b> human breast cancer tissue, human prostate cancer tissue, human skeletal muscle tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IF :</b> mouse embryo tissue,
<b>Cited Species:</b> human, rat, mouse	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Ubiquitin, a highly conserved protein involved in the regulation of intracellular protein breakdown, cell cycle regulation, and stress response, is released from degraded proteins by disassembly of the polyubiquitin chains. The disassembly process is mediated by ubiquitin-specific proteases (USPs). USP2 is also named as UBP41. USP2 can interact indirectly with multiple clock proteins, so it remains possible that USP2 may modulate the ubiquitination and function of these other proteins. It has 4 isoforms produced by alternative splicing. This antibody is specific to the isoform 1(USP2a) of USP2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Junhui Xing	32963492	Mediators Inflamm	WB,IHC
Zelong Han	36333288	Cell Death Discov	WB
Jiabei He	30918246	Cell Death Dis	IHC

## Storage

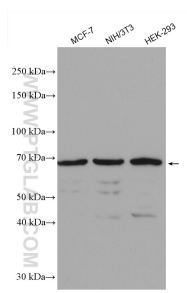
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

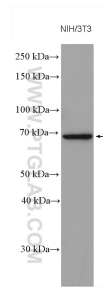
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

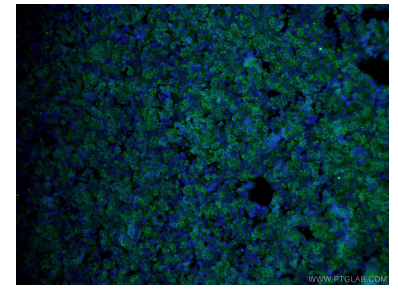
## Selected Validation Data



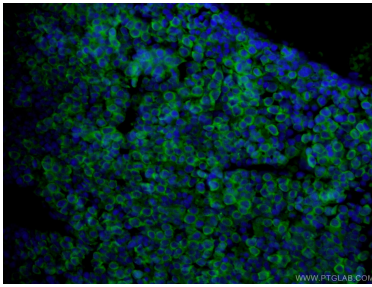
Various lysates were subjected to SDS PAGE followed by western blot with 10392-1-AP (USP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



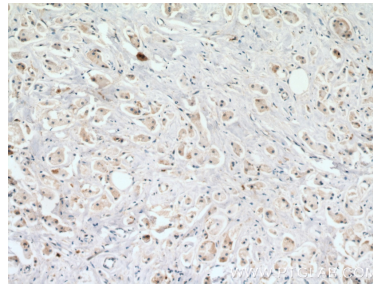
NIH/3T3 lysates were subjected to SDS PAGE followed by western blot with 10392-1-AP (USP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



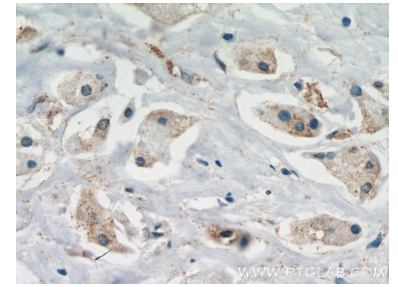
Immunofluorescent analysis of (4% PFA) fixed mouse embryo tissue using 10392-1-AP (USP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse embryo tissue using 10392-1-AP (USP2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10392-1-AP (USP2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10392-1-AP (USP2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).