

For Research Use Only

# UBC13 Polyclonal antibody

Catalog Number: 10243-1-AP

5 Publications



## Basic Information

**Catalog Number:**

10243-1-AP

**Size:**

300 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0292

**GenBank Accession Number:**

BC000396

**GeneID (NCBI):**

7334

**UNIPROT ID:**

P61088

**Full Name:**

ubiquitin-conjugating enzyme E2N  
(UBC13 homolog, yeast)

**Calculated MW:**

17 kDa

**Observed MW:**

17 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total  
protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IP, ELISA

**Cited Applications:**

WB, IHC, IP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, pig, monkey

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

**Positive Controls:**

WB: mouse thymus tissue, human heart tissue, Jurkat  
cells, mouse small intestine tissue

IP: MCF-7 cells,

IHC: human colon tissue, human breast cancer tissue

## Background Information

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. UBE2N is a member of the E2 ubiquitin-conjugating enzyme family. Studies in mouse suggest that this protein plays a role in DNA postreplication repair.

## Notable Publications

Author	Pubmed ID	Journal	Application
Nitchakam Kaokhum	36182100	Mol Cell Proteomics	WB
Bin Li	36717587	Nat Commun	WB,IP
Floriana Mulas	32024978	Cell Mol Immunol	WB

## 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

For technical support and original validation data for this product please contact:

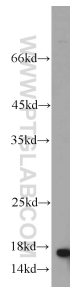
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

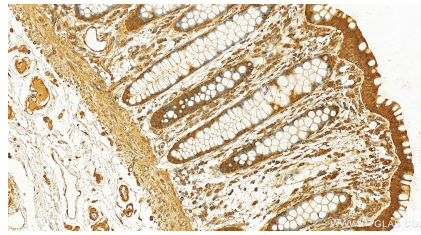
W: [ptgcn.com](http://ptgcn.com)

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

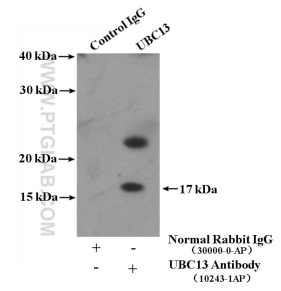
## Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 10243-1-AP (UBC13 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 10243-1-AP (UBC13 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-UBC13 (IP:10243-1-AP, 4ug; Detection:10243-1-AP 1:600) with MCF-7 cells lysate 1280ug.