

For Research Use Only

# UBC13 Polyclonal antibody

Catalog Number: 10243-1-AP

1 Publications



## Basic Information

**Catalog Number:**

10243-1-AP

**Size:**

150UL, Concentration: 300 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0292

**GenBank Accession Number:**

BC000396

**GeneID (NCBI):**

7334

**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 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

mouse

**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 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 |
|----------------|-----------|------------------|-------------|
| 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

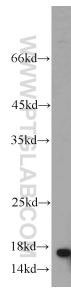
For technical support and original validation data for this product please contact:

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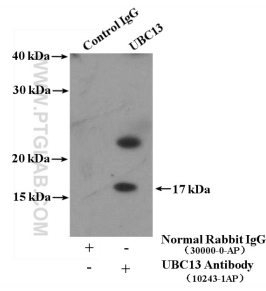
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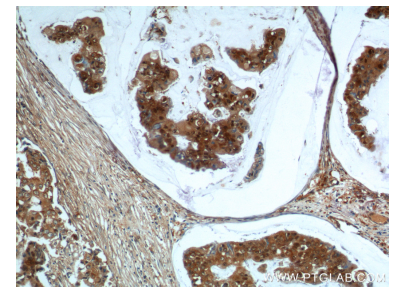
## Selected Validation Data



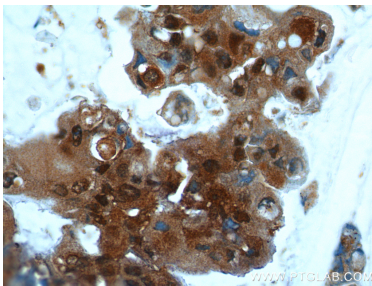
mouse thymus tissue were subjected to SDS PAGE followed by western blot with 10243-1-AP (UBC13 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10243-1-AP (UBC13 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10243-1-AP (UBC13 antibody at dilution of 1:200 (under 40x lens).