

For Research Use Only

UBC13 Polyclonal antibody

Catalog Number: 10243-1-AP

5 Publications



Basic Information

Catalog Number:

10243-1-AP

Size:

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

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

*** 20ul sizes contain 0.1% BSA

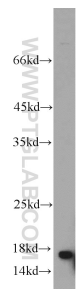
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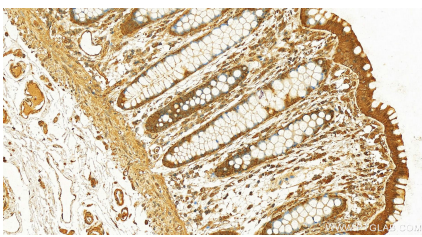
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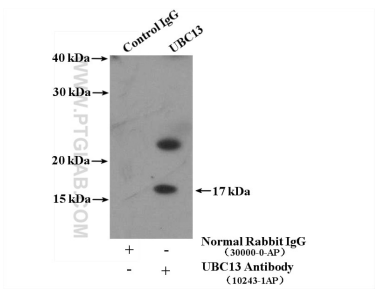
Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 10243-1-AP (UBC 13 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 (UBC 13 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.