

For Research Use Only

UBE2C Polyclonal antibody

Catalog Number:12134-2-AP

Featured Product

16 Publications



Basic Information

Catalog Number:

12134-2-AP

Size:

150ul , Concentration: 1000 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2780

GenBank Accession Number:

BC016292

GeneID (NCBI):

11065

UNIPROT ID:

O00762

Full Name:

ubiquitin-conjugating enzyme E2C

Calculated MW:

179 aa, 20 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

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, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 : HeLa cells,

IP : HeLa cells,

IHC : human colon cancer tissue,

Background Information

UBE2C(Ubiquitin-conjugating enzyme E2 C) is also known as UBCH10 and belongs to the ubiquitin-conjugating enzyme family. It is highly expressed in a variety of human primary tumors, and it is able to promote cell proliferation and malignant transformation (PMID:18703417). UBE2C, along with the E3 ligase of the anaphasepromoting complex (APC), catalyzes the ubiquitination of mitotic cyclins A and B, as well as securin. UBE2C is essential for cell cycle progression, and mutation of its active site cysteine confers a dominant-negative phenotype(PMID:17217624).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaobo Wu	36430352	Int J Mol Sci	IHC
Zheng Cai	28560012	Am J Transl Res	WB,IHC
Jian Zhao	34249092	Front Genet	WB 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)

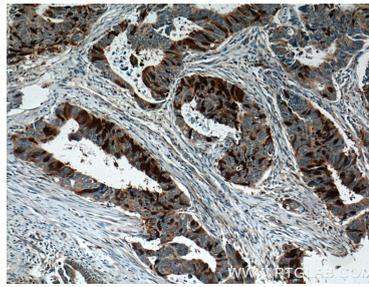
E: proteintech@ptglab.com
W: ptglab.com

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

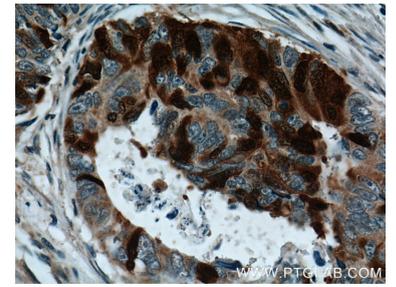
Selected Validation Data



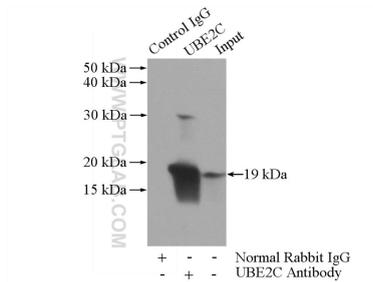
HeLa cells were subjected to SDS PAGE followed by western blot with 12134-2-AP (UBE2C antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 12134-2-AP (UBE2C 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 colon cancer tissue slide using 12134-2-AP (UBE2C Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-UBE2C (IP:12134-2-AP, 3ug; Detection:12134-2-AP 1:300) with HeLa cells lysate 2440ug.