

For Research Use Only

# UBC Polyclonal antibody

Catalog Number: 10457-1-AP

Featured Product

3 Publications



## Basic Information

Catalog Number:

10457-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0711

GenBank Accession Number:

BC008955

GeneID (NCBI):

7316

UNIPROT ID:

POCG48

Full Name:

ubiquitin C

Calculated MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

## Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

**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:

IHC: mouse liver tissue, human lung cancer tissue, human urothelial carcinoma tissue, mouse stomach tissue, rat liver tissue, rat pancreas tissue, rat stomach tissue

## Background Information

Ubiquitin (Ub) is a small, highly conserved eukaryotic protein that has an essential role in diverse cellular signaling pathways, including targeting proteins for proteasomal degradation. Cellular Ub is comprised of two distinct pools consisting of free Ub and Ub-substrate conjugates. UbC is a polyubiquitin gene that encodes Ub polypeptide. UbC, as stress-inducible polyubiquitin precursor proteins of around 9-11 monomers, is cleaved into monomeric ubiquitin by cellular deubiquitylating enzymes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhan-Jun Ma	27417256	Chem Biol Interact	
Yuan Tian	24367661	PLoS One	WB
Zhenyan Li	38340785	Neuroscience	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

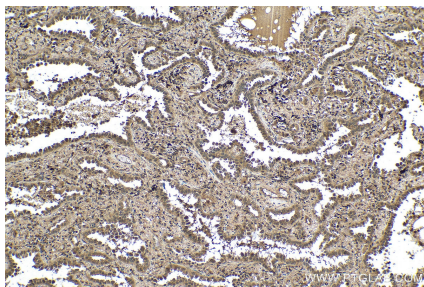
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

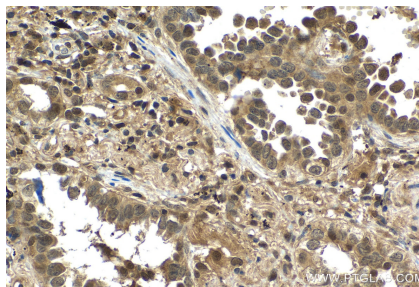
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

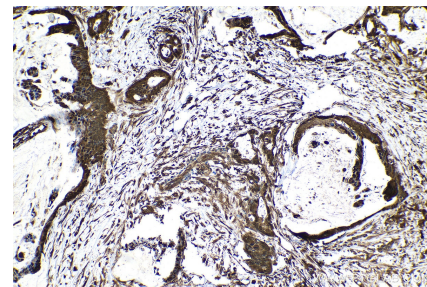
## Selected Validation Data



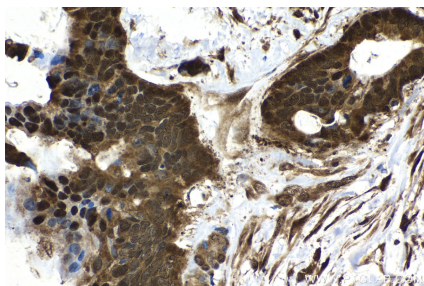
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



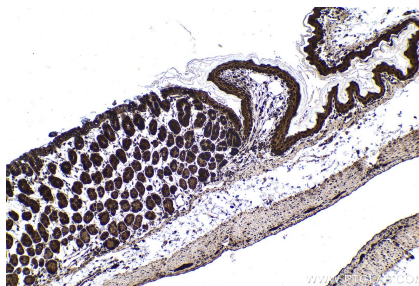
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



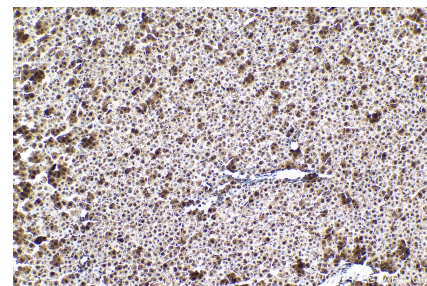
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



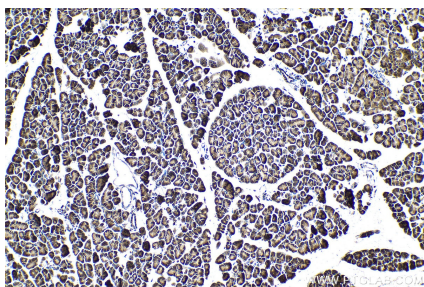
Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



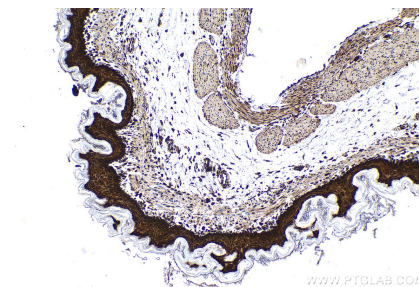
Immunohistochemical analysis of paraffin-embedded mouse stomach tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



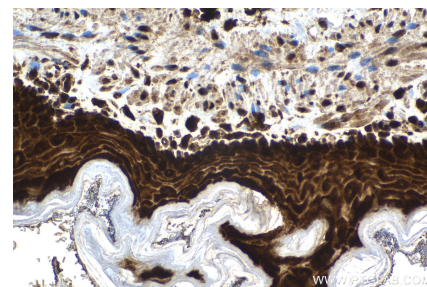
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



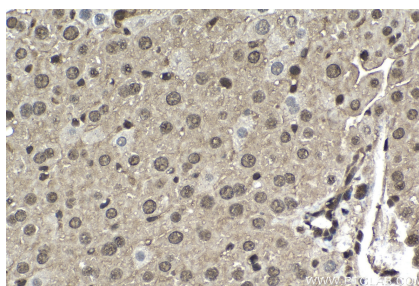
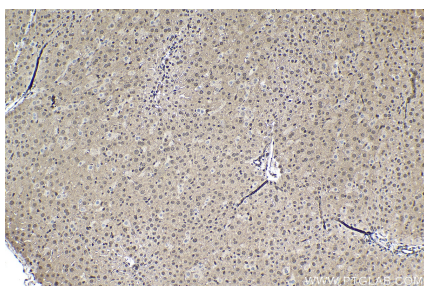
Immunohistochemical analysis of paraffin-embedded rat pancreas tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat stomach tissue slide using 10457-1-AP (UBC 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 rat stomach tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 10457-1-AP (UBC 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 mouse liver tissue slide using 10457-1-AP (UBC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).