

For Research Use Only

UBE3A Polyclonal antibody

Catalog Number: 10344-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

10344-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0346

GenBank Accession Number:

BC002582

GeneID (NCBI):

7337

UNIPROT ID:

Q05086

Full Name:

ubiquitin protein ligase E3A

Calculated MW:

852 aa, 98 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:250-1:1000

IF/ICC 1:300-1:1200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

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: K-562 cells, mouse brain tissue, mouse lung tissue, Jurkat cells, NIH/3T3 cells, C6 cells

IP: mouse brain tissue,

IHC: human thyroid cancer tissue, human kidney tissue, mouse lung tissue, rat liver tissue, mouse kidney tissue

IF/ICC: HeLa cells,

Background Information

UBE3A (Ubiquitin-protein ligase E3A) is also named as E6AP, EPVE6AP, HPVE6A and belongs to the E3 ubiquitin protein ligase family. It functions as both an E3 ligase in the ubiquitin proteasome pathway and as a transcriptional coactivator. It is also initially identified as a cellular protein that mediates in vitro association of the human papillomavirus E6 protein with p53, leading to the ubiquitin-dependent degradation of p53 (PMID:1661671). Defects in UBE3A are a cause of Angelman syndrome (AS) (PMID:10508479). It has 3 isoforms with MW of 97-101 kDa produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Qilong Tan	36109631	Oncogene	WB, IHC, IF, IP
Justin M Wolter	33087932	Nature	WB
Haibo Xu	32369566	J Mol Cell Biol	IF

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

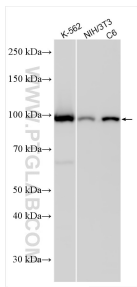
For technical support and original validation data for this product please contact:

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

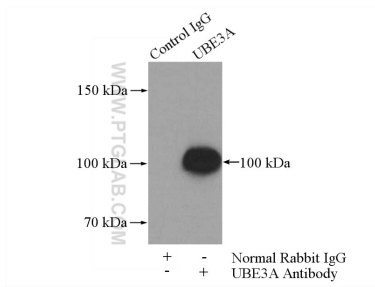
E: proteintech@ptglab.com
W: ptglab.com

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

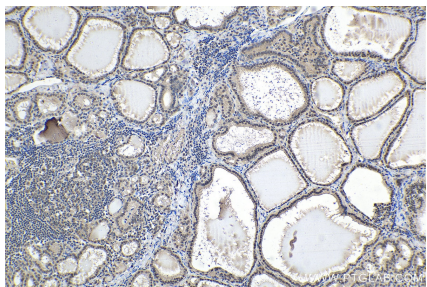
Selected Validation Data



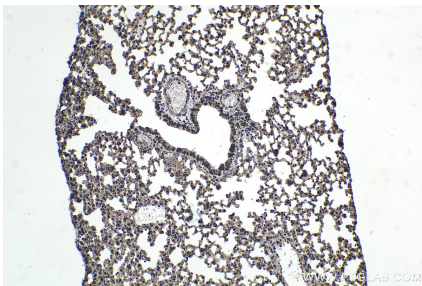
Various lysates were subjected to SDS PAGE followed by western blot with 10344-1-AP (UBE3A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



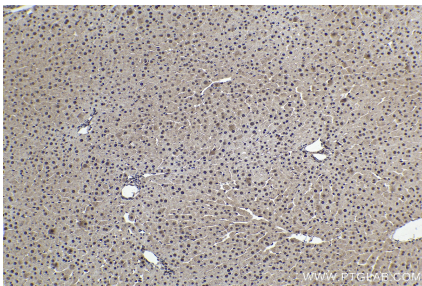
IP result of anti-UBE3A (IP:10344-1-AP, 4ug; Detection:10344-1-AP 1:300) with mouse brain tissue lysate 4000ug.



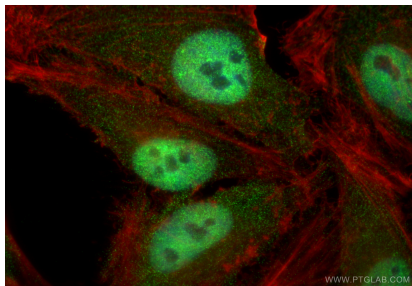
Immunohistochemical analysis of paraffin-embedded human thyroid cancer tissue slide using 10344-1-AP (UBE3A antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 10344-1-AP (UBE3A antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 10344-1-AP (UBE3A antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using UBE3A antibody (10344-1-AP) at dilution of 1:600 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).