For Research Use Only

# KAP1 Polyclonal antibody

Catalog Number:15202-1-AP Featured Product 29 Publications

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## Basic Information

Catalog Number:
15202-1-AP

Size:
500 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7350

GenBank Accession Number:
BC004978

GeneID (NCBI):
10155

UNIPROT ID:
Q13263

Full Name:
tripartite motif-containing 28

Calculated MW:
89 kDa

Observed MW:
100 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:5000-1:50000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:1000-1:4000
IF 1:10-1:100

## Applications

Tested Applications:
FC, IF/ICC, IHC, IP, WB, ELISA

Cited Applications:
WB, IP, IF, IHC, chIP

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, monkey, pig

***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, mouse testis tissue, HepG2 cells

IP : HeLa cells,

IHC : human lung cancer tissue, human colon tissue

IF : Hela cells,

## Background Information

KAP1, also named as TRIM28 or RNF96, is a 835 amino acid protein, which contain one RING-type zinc finger, one PHD-type zinc finger, one bromo domain and two B box-type zinc fingers. KAP1 localizes in the nucleus and Belongs to the TRIM/RBCC family. KAP1 is a nuclear corepressor for KRAB domain-containing zinc finger proteins and mediates gene silencing by recruiting CHD3, a subunit of the nucleosome remodeling and deacetylation (NuRD) complex, and SETDB1 to the promoter regions of KRAB target genes. KAP1 is expressed in all tissues tested including spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes. The calcualted molecular weight of KAP1 is 89 kDa, but modified KAP1 is about 100 kDa. (PMID: 18590578 )

## Notable Publications

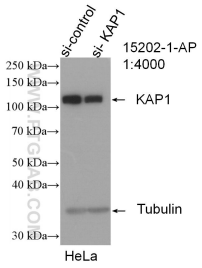
| Author | Pubmed ID | Journal | Application |
|---|---|---|---|
| Yaguang Zhang | 36100837 | Sci China Life Sci | WB |
| Min Li | 32900933 | Proc Natl Acad Sci U S A | chIP |
| Yanhui Zhai | 33539314 | Reproduction | IF |

## Storage

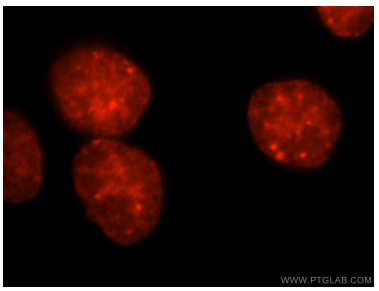
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

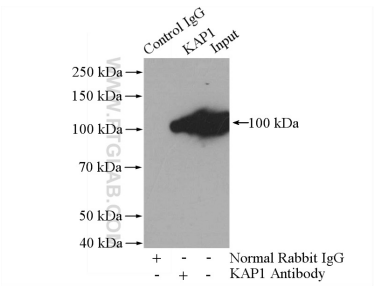
## Selected Validation Data



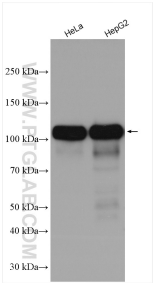

WB result of KAP1 antibody (15202-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-KAP1 transfected HeLa cells.



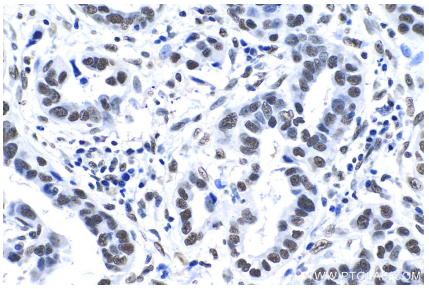

Immunofluorescent analysis of Hela cells, using TRIM28 antibody 15202-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



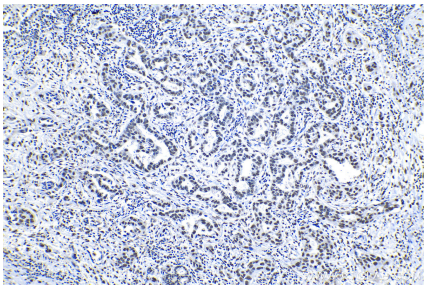

IP result of anti-KAP1 (IP:15202-1-AP, 4ug; Detection:15202-1-AP 1:1000) with HeLa cells lysate 1200ug.



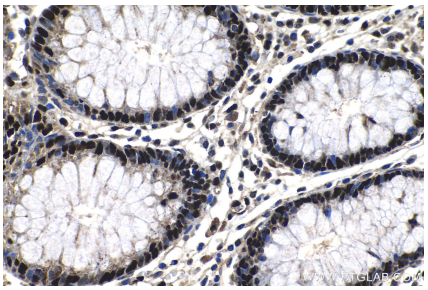

Various lysates were subjected to SDS PAGE followed by western blot with 15202-1-AP (KAP1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



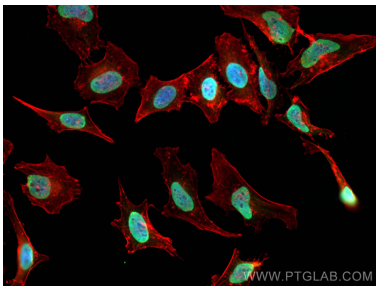
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15202-1-AP (KAP1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



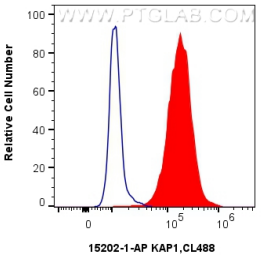
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15202-1-AP (KAP1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 15202-1-AP (KAP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




Immunofluorescent analysis of (4% PFA) fixed HeLa cells using KAP1 antibody (15202-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).




1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human KAP1 (15202-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone: ) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.