

For Research Use Only

KAP1 Polyclonal ANTIBODY



Catalog Number: 15202-1-AP

Featured Product

5 Publications

Basic Information

Catalog Number:

15202-1-AP

Size:

mg/ml

Source:

Rabbit

Isotype:

IgG

Purification Method:

Antigen affinity purification

Immunogen Catalog Number:

AG7350

GenBank Accession Number:

BC004978

GeneID (NCBI):

10155

Full Name:

tripartite motif-containing 28

Calculated MW:

89 kDa

Observed MW:

100 kDa

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for IP and 1:500-1:2000 for

WB

IHC 1:20-1:200

IF 1:10-1:100

Applications

Tested Applications:

FC, IF, IHC, IP, WB, ELISA

Cited Applications:

IHC, IP, WB

Species Specificity:

human,mouse,rat

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells; mouse testis tissue, rat spleen tissue

IP : HeLa cells;

IHC : human colon cancer 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 calculated molecular weight of KAP1 is 89 kDa, but modified KAP1 is about 100 kDa. PMID: 18590578

Notable Publications

Author	Pubmed ID	Journal	Application
Lei Liu	28498400	Oncol Rep	WB
Rui Liu	28648892	DNA Repair (Amst)	WB
Xiancai Ma	30652970	Elife	IP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS, pH 7.3.

Aliquoting is unnecessary for -20°C storage

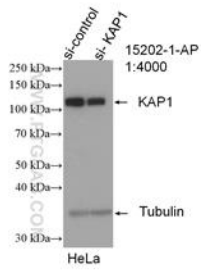
For technical support and original validation data for this product please contact:

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.

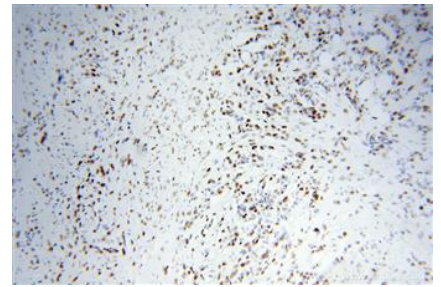
Selected Validation Data



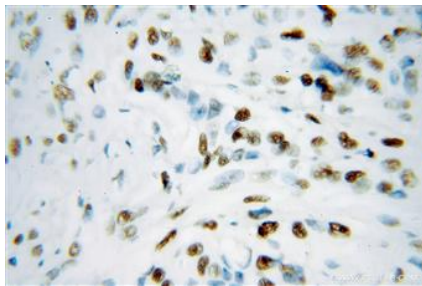
WB result of KAP1 antibody (15202-1-AP; 1:4000); incubated at room temperature for 1.5 hours) with sh-Control and sh-KAP1 transfected HeLa cells



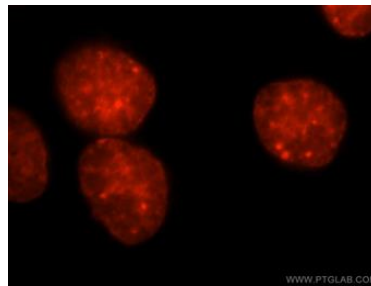
HeLa cells were subjected to SDS PAGE followed by western blot with 15202-1-AP(KAP1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours



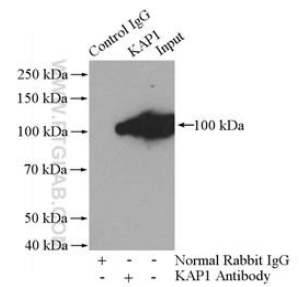
Immunohistochemical of paraffin-embedded human colon cancer using 15202-1-AP(KAP1 antibody) at dilution of 1:100 (under 10x lens)



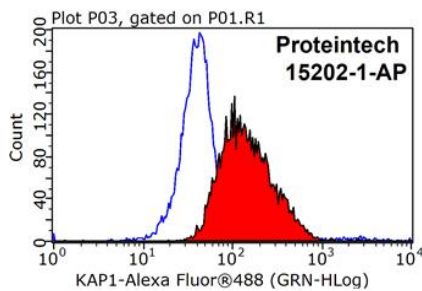
Immunohistochemical of paraffin-embedded human colon cancer using 15202-1-AP(KAP1 antibody) at dilution of 1:100 (under 40x lens)



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.



1X10⁶ HeLa cells were stained with 0.2ug KAP1 antibody (15202-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.