

KAP1 (ANT0092R) Rabbit mAb

CatalogNo: ANT8120 **Recombinant** 

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species

- Rabbit
- Human,Mouse,Rat,

Reactivity

- WB,IHC,IF,IP,ELISA

Applications

MW

- 89kD (Calculated)
 - IgG,Kappa
- 110kD (Observed)

Isotype

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:1000-1:5000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200,

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality Monoclonal

Clone Number ANT0092R

Immunogen Information

Sequence TIF1 β (Ser824)

Specificity Endogenous

Target Information

Protein Name

TRIM28 KAP1 RNF96 TIF1B

Organism

Gene ID

UniProt ID

Human

[10155;](#)

[Q13263;](#)

Mouse

[21849;](#)

[Q62318;](#)

Rat

[116698;](#)

[O08629;](#)

Cellular

Nucleus

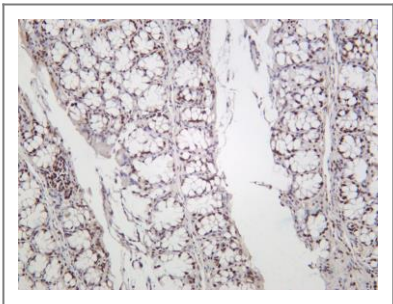
Localization

Tissue specificity Expressed in all tissues tested including spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes.

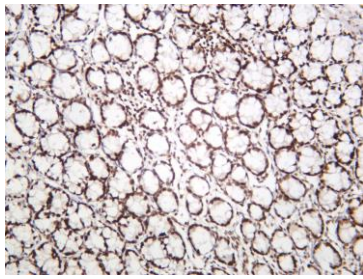
Function

Domain:Contains one Pro-Xaa-Val-Xaa-Leu (PxVxL) motif, which is required for interaction with chromoshadow domains. This motif requires additional residues -7, -6, +4 and +5 of the central Val which contact the chromoshadow domain.,Domain:The HP1 box is both necessary and sufficient for HP1 binding. The RING finger domain and the B-box domains mediate interaction with CEBPB. The PHD domain enhances the CEBPB transcriptional activity.,Function:Forms a complex with a KRAB-domain transcription factor and increases the efficiency of KRAB-mediated repression. Silences transcription through an interaction with HP1 proteins. Acts as a corepressor of transcription for the KRAB zinc finger proteins and as a moderator of the repression activity. May play a role as a coactivator for CEBPB and NR3C1 in the transcriptional activation of the Alpha-1-acid glycoprotein gene.,ANTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the TRIM/RBCC family.,similarity:Contains 1 bromo domain.,similarity:Contains 1 PHDtype zinc finger.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 2 B box-type zinc fingers.,subcellular location:Associated with centromeric heterochromatin during cell differentiation through CBX1.,subunit:Associated with HP1 alpha (CBX5), beta (CBX1) and gamma (CBX3) in interphase nuclei (By similarity). Interacts with ZNF382; enhances ZNF382 transcriptional repressor activity (By similarity). Interacts with CEBPB and NR3C1 (By similarity). Interacts with NCOR1 and CHD3. Interacts with SETDB1, ZFP53 and ZFP68. Interacts directly with CBX5 via the PxVxL motif,

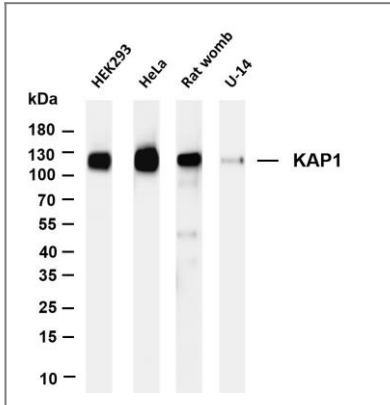
Validation Data



Mouse colon was stained with anti-KAP1 (ANT0092R) rabbit antibody

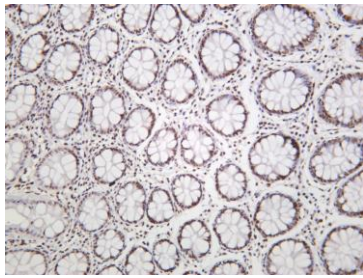


Rat colon was stained with anti-KAP1 (ANT0092R) rabbit antibody

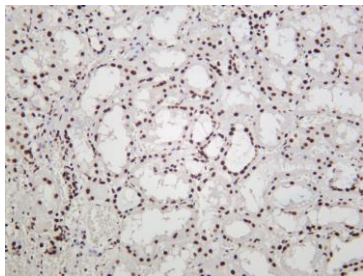


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-KAP1 (ANT0092R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HEK293 Lane 2: HeLa Lane 3: Rat womb Lane 4: U-14

Predicted band size: 89kDa Observed band size: 110kDa



Human colon was stained with anti-KAP1 (ANT0092R) rabbit antibody



Human kidney was stained with anti-KAP1 (ANT0092R) rabbit antibody