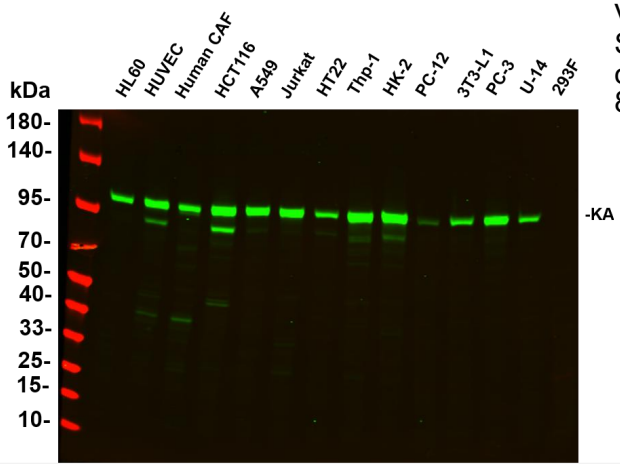
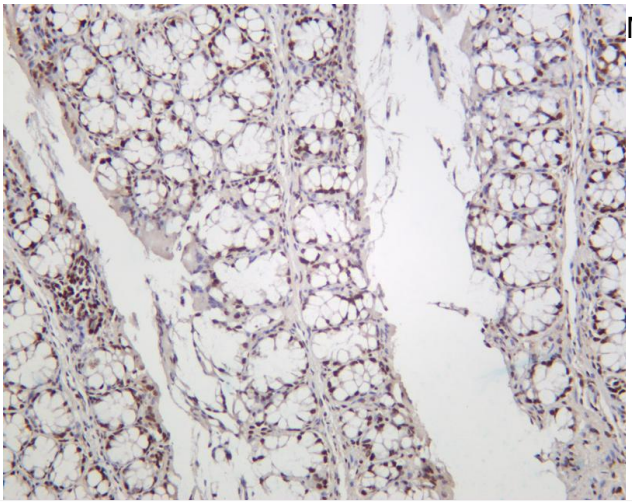
KAP1/TIF1β Rabbit mAb

Catalog No	YP-rAb-17970
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	
Protein Name	TRIM28 KAP1 RNF96 TIF1B
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:1000-1:5000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	Transcription intermediary factor 1-beta ; TIF1-beta ; E3 SUMO-protein ligase TRIM28 ; KRAB-associated protein 1 ; KAP-1 ; KRAB-interacting protein 1 ; KRIP-1 ; Nuclear corepressor KAP-1 ; RING finger protein 96 ; Tripartite motif-containing protein 28 ;
Observed Band	110kD
Calculated Molecular Weight	89kD
Cell Pathway	Nucleus
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

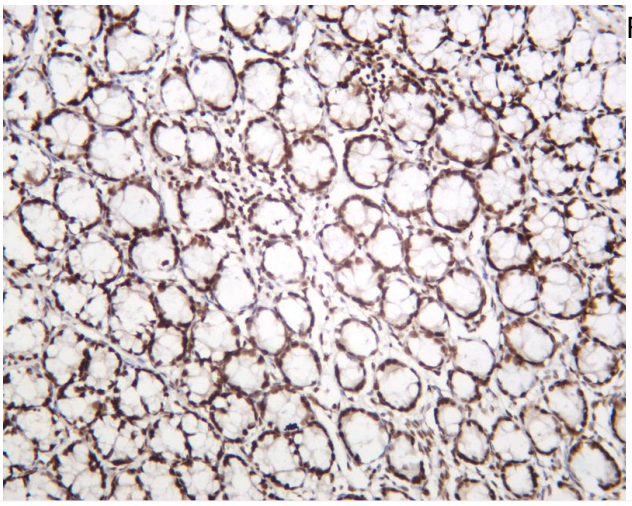
	proteins and as a moderator of the repression activity. May play a role as a coactivator for CEBPB and NR3C1 in the transcriptional activation of the Alpha-1-acid glycoprotein gene.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the TRIM/RBCC family.,similarity:Contains 1 bromo domain.,similarity:Contains 1 PHD-type 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.,
Background	The protein encoded by this gene mediates transcriptional control by interaction with the Kruppel-associated box repression domain found in many transcription factors. The protein localizes to the nucleus and is thought to associate with specific chromatin regions. The protein is a member of the tripartite motif family. This tripartite motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



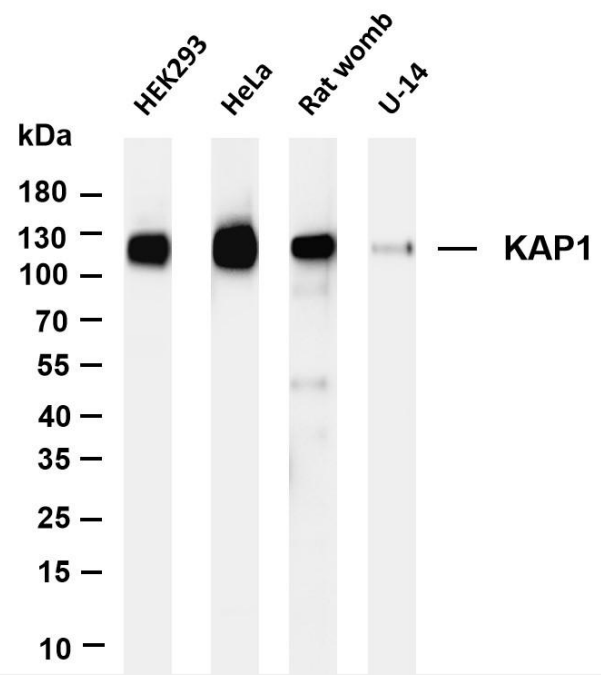
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4℃, over night with a 1:2500 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody



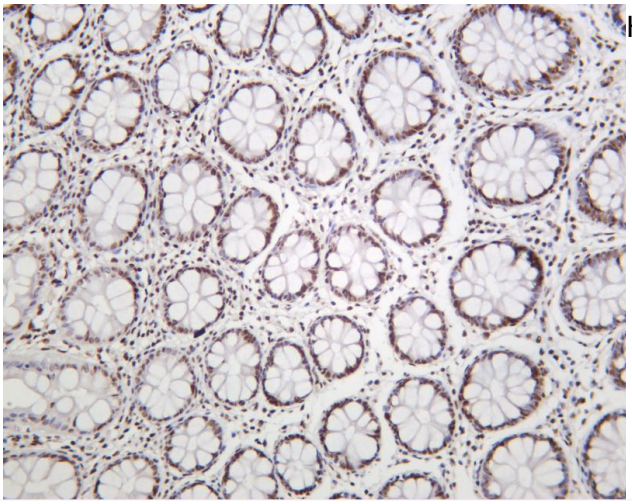
Mouse colon was stained with anti-KAP1 rabbit antibody



Rat colon was stained with anti-KAP1 rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-KAP1 antibody. The HRP-conjugated 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 rabbit antibody