



KAP1/TIF1 β mouse mAb

Catalog No	YP-Ab-01072
Isotype	IgG
Reactivity	Human
Applications	WB;ICC;IHC;IP
Gene Name	trim28
Immunogen	Purified recombinant human KAP1 / TIF1 beta protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of KAP1 / TIF1 beta and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000 icc 1:100
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	TRIM28;E3 SUMO-protein ligase TRIM28;EC:2.3.2.27;KAP 1;KAP-1;TIF1 β ;E3 SUMO protein ligase TRIM28;FLJ29029;KRAB associated protein 1;KRAB interacting protein 1;KRAB-associated protein 1;KRAB-interacting protein 1;KRIP 1;KRIP-1;KRIP1;Nuclear corepressor KAP 1;Nuclear corepressor KAP-1;RING finger protein 96;RNF96;TF1B;TIF1 beta;TIF1-beta;TIF1B;TIF1B_HUMAN;Transcription intermediary factor 1 beta;Transcription intermediary factor 1-beta;Tripartite motif containing 28;tripartite motif containing protein 28;Tripartite motif-containing protein 28.
Observed Band	110kD
Calculated Molecular Weight	110kD
Cell Pathway	Nucleus . Associated with centromeric heterochromatin during cell differentiation through CBX1. .
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

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

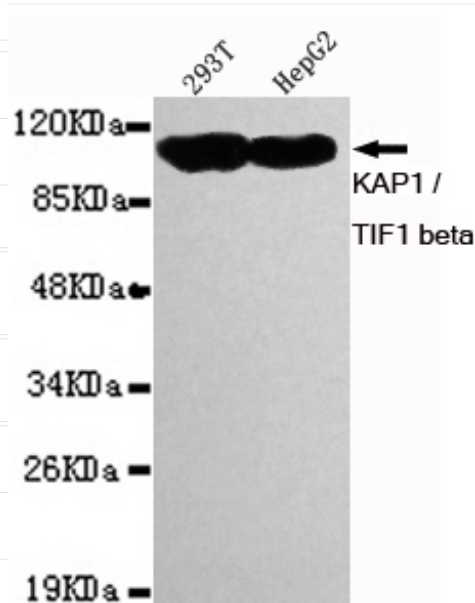
Avoid repeated freezing and thawing!

Usage suggestions

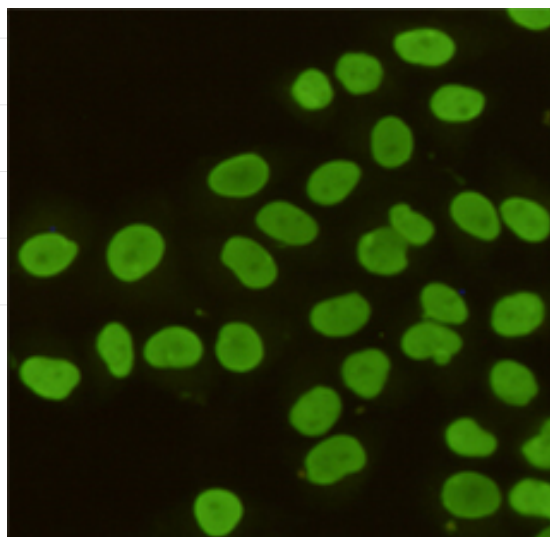
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



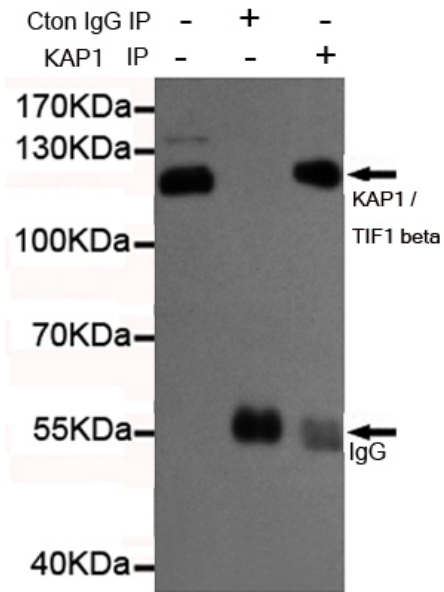
Products Images



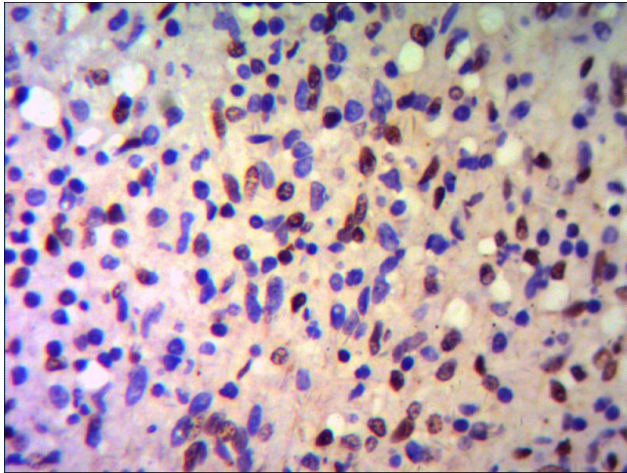
Western blot detection of KAP1 / TIF1 beta in 293T and HepG2 cell lysates using KAP1 / TIF1 beta mouse mAb (1:1000 diluted). Observed band size: 110KDa.



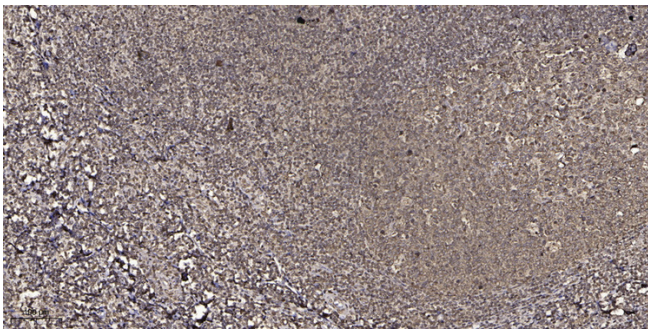
Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-KAP1 / TIF1 beta mouse mAb (dilution 1:100).



Immunoprecipitation analysis of Hela cell lysates using KAP1 / TIF1 beta mouse mAb.



IHC of paraffin-embedded human Spleen using anti-KAP1 / TIF1 beta diluted 1/500-1/1000.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).