

## KAP1/TIF1β mouse mAb

Catalog No: YM1235

Reactivity: Human

**Applications:** WB;ICC;IHC;IP

Target: TIF1 $\beta$ 

Gene Name: trim28

Human Gene ld: 10155

**Human Swiss Prot** 

No:

**Mouse Swiss Prot** 

No:

Immunogen: Purified recombinant human KAP1 / TIF1 beta protein fragments expressed in

E.coli.

Q13263

Q62318

**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

**Dilution:** wb 1:1000 icc 1:100

**Purification:** The antibody was affinity-purified from mouse ascites by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

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

Observed Band: 110kD

**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],

**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

Subcellular Location:

Nucleus . Associated with centromeric heterochromatin during cell differentiation through CBX1. .

**Expression:** 

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

Tag:

orthogonal,ip

Sort:

8839

No4:

- 1

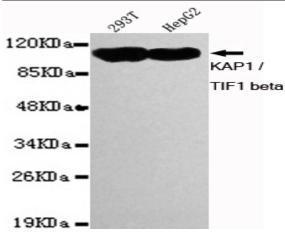
Host:

Mouse

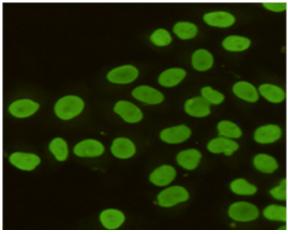
**Modifications:** 

Unmodified

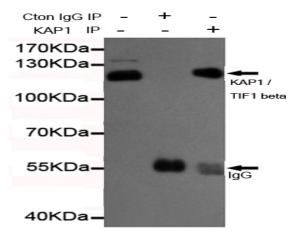
## **Products Images**



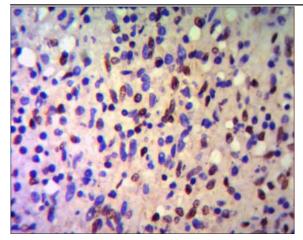
Western blot detection of KAP1 / TIF1 beta in 293T and HepG2 cell lysates using KAP1 / TIF1 beta mouse mAb (1:1000 diluted). Observed band size: 110KDa.



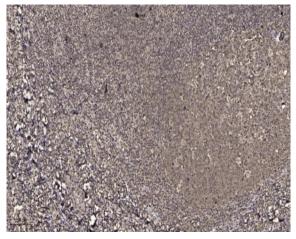
Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using anti-KAP1 / TIF1 beta mouse mAb (dilution 1:100).



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).