

## TIF1b Antibody

Catalog No: #21635

Package Size: #21635-1 50ul #21635-2 100ul

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## Description

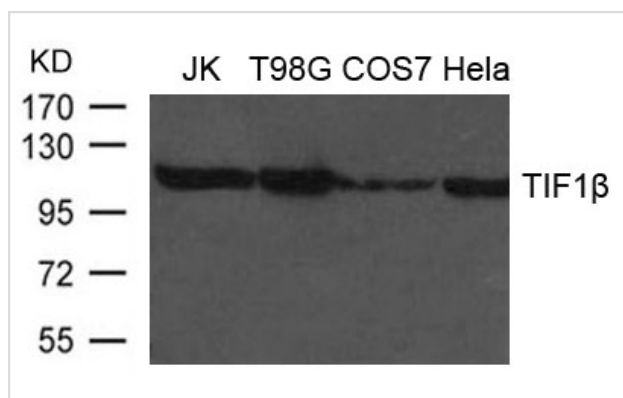
Product Name	TIF1b Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Mk
Specificity	The antibody detects endogenous level of total TIF1b protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.827~831 (L-S-G-G-P) derived from Human TIF1b.
Target Name	TIF1b
Other Names	KAP1, RNF96
Accession No.	Swiss-Prot: Q13263NCBI Protein: NP_005753.1
SDS-PAGE MW	110kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

Predicted MW: 110kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extract from JK, T98G, COS7 and HeLa cells using TIF1b Antibody #21635

## Background

Nuclear corepressor for KRAB domain-containing zinc finger proteins (KRAB-ZFPs). Mediates gene silencing by recruiting CHD3, a subunit of the nucleosome remodeling and deacetylation (NuRD) complex, and SETDB1 (which specifically methylates histone H3 at 'Lys-9' (H3K9me)) to the promoter regions of KRAB target genes. Enhances transcriptional repression by coordinating the increase in H3K9me, the decrease in histone H3 'Lys-9 and 'Lys-14' acetylation (H3K9ac and H3K14ac, respectively) and the disposition of HP1 proteins to silence gene expression. Recruitment of SETDB1 induces heterochromatinization. May play a role as a coactivator for CEBPB and NR3C1 in the transcriptional activation of ORM1. Also corepressor for ERBB4. Inhibits E2F1 activity by stimulating E2F1-HDAC1 complex formation and inhibiting E2F1 acetylation. May serve as a partial backup to prevent E2F1-mediated apoptosis in the absence of RB1. Important regulator of CDKN1A/p21(CIP1). Has E3 SUMO-protein ligase activity toward itself via its PHD-type zinc finger.

Friedman J.R., Fredericks W.J., Jensen D.E. *Genes Dev.* 10:2067-2078(1996)

Moosmann P.R., Georgiev O., le Douarin B., Bourquin J.-P. *Nucleic Acids Res.* 24:4859-4867(1996)

Agata Y., Matsuda E., Shimizu A.J. *Biol. Chem.* 274:16412-16422(1999)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.