

Datasheet for ABIN5689604
anti-KAP1 antibody (AA 827-831)



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Overview

Quantity:	0.1 mg
Target:	KAP1 (TRIM28)
Binding Specificity:	AA 827-831
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KAP1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	TIF1beta antibody was raised against a peptide sequence around aa.827~831 (L-S-G-G-P) derived from Human TIF1 β .
Specificity:	This antibody detects endogenous level of total TIF1 β protein.
Purification:	Antibodies were purified by affinity-chromatography using epitope-specific peptide.

Target Details

Target:	KAP1 (TRIM28)
Alternative Name:	TIF1beta (TRIM28 Products)
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

Target Details

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.

Molecular Weight:	110 kDa
Gene ID:	10155
NCBI Accession:	NP_005753
UniProt:	Q13263
Pathways:	Hedgehog Signaling , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	Western Blot: 1:500~1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Antibody supplied in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store antibody at -20°C for up to one year.