

Product datasheet for **TA322559**

KAP1 (TRIM28) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB: 1:500-1000 |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Peptide sequence around aa.827~831 (L-S-G-G-P) derived from Human TIF1 β . |
| Formulation: | PBS pH7.3, 0.05% NaN ₃ , 50% glycerol |
| Concentration: | lot specific |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 89 kDa |
| Gene Name: | tripartite motif containing 28 |
| Database Link: | NP_005753 Entrez Gene 10155 Human Q13263 |



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Background:

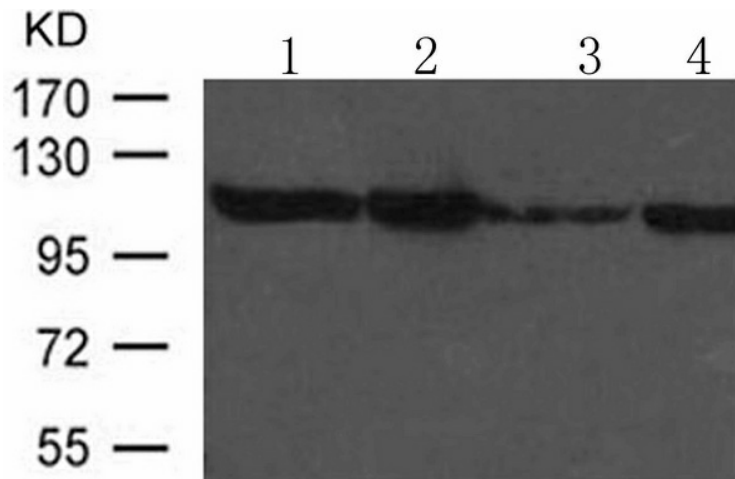
Nuclear corepressor for KRAB domain-containing zinc finger proteins (KRAB-ZFPs). Mediates gene silencing by recruiting CHD3, a subunit of the nucleosome remodeling and deacetylation (NuRD) complex, and SETDB1 (which specifically methylates histone H3 at 'Lys-9' (H3K9me)) to the promoter regions of KRAB 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.

Synonyms:

KAP1; PPP1R157; RNF96; TF1B; TIF1B

Protein Families:

Protein Kinase, Stem cell - Pluripotency, Transcription Factors

Product images:

Predicted band size: 89 kDa. Positive control: Jurkat, T98G, COS7 and HeLa cells lysate. Recommended dilution: 1/ 500-1000. (Gel: 8%SDS-PAGE Lane 1, 2, 3, 4: Jurkat, T98G, COS7 and HeLa cells lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)