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TRIM28 Antibody

Catalog # ASC10160

Product Information

Application	WB, E
Primary Accession	Q13263
Other Accession	NP_005753, 5032179
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	92 KDa
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TRIM28 antibody can be used for detection of TRIM28 by Western blot at 1 - 2 g/mL.

Additional Information

Gene ID	10155
Other Names	TRIM28 Antibody: KAP1, TF1B, RNF96, TIF1B, KAP1, Transcription intermediary factor 1-beta, E3 SUMO-protein ligase TRIM28, TIF1-beta, tripartite motif containing 28
Target/Specificity	TRIM28; At least three isoforms of TRIM28 are known to exist; this antibody will detect all three isoforms
Reconstitution & Storage	TRIM28 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.
Precautions	TRIM28 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

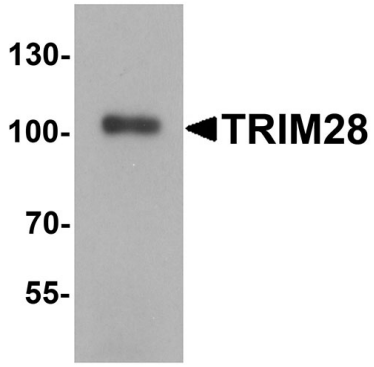
Background

TRIM28 Antibody: TRIM28, also known as KAP-1, is a member of the Transcriptional Intermediary Factor 1 (TIF1) subfamily and contains a RING finger, B box, Coiled coil, PHD/TTC, and bromodomain. TRIM28 is a corepressor for Kruppel-associated box (KRAB)-domain-containing zinc finger proteins and plays a critical role in early embryogenesis. TRIM28 acts as a transcriptional mediator by binding liganded nuclear receptors, including retinoic acid (RAR), retinoid X (RXR) and estrogen (ER) receptors. TRIM28 associates with both heterochromatin and euchromatin, causing gene silencing by both HP1 binding and histone deacetylation.

References

Friedman JR, Fredericks WJ, Jensen DE, et al. KAP-1, a novel corepressor for the highly conserved KRAB repression domain. Genes Dev. 1996; 10:2067-78.
Cammas F, Mark M, Dolle P, et al. Mice lacking the transcriptional corepressor TIF1beta are defective in early postimplantation development. Dev. 2000; 127:2955-63.
Chang CJ, Chen YL, and Lee SC. Coactivator TIF1beta interacts with transcription factor C/EBPbeta and glucocorticoid receptor to induce alpha1-acid glycoprotein gene expression. Mol. Cell Biol. 1998; 18:5880-7
Groner AC, Meylan S, Ciuffi A, et al. KRAB-zinc finger proteins and KAP1 can mediate long-range transcriptional repression through heterochromatin spreading. PLoS Genet. 2010; 6:e1000869.

Images



Western blot analysis of TRIM28 in human testis tissue lysate with TRIM28 antibody at 1 µg/mL.