

Product datasheet for **AM31084PU-N**

KAP1 (TRIM28) Mouse Monoclonal Antibody [Clone ID: 4E6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4E6
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	ELISA. Immunofluorescence: 10 µg/ml. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	TRIM28 (AAH04978, 379 a.a. ~ 524 a.a) partial recombinant protein with GST tag.
Specificity:	This antibody recognizes TRIM28.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	tripartite motif containing 28
Database Link:	Entrez Gene 21849 Mouse Entrez Gene 116698 Rat Entrez Gene 10155 Human Q13263



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Background:

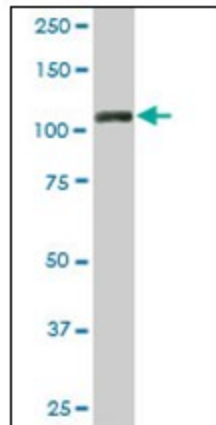
TIF1beta is a member of the Transcriptional Intermediary Factor 1 (TIF1) subfamily. TIF1beta contains a RING finger, B box, Coiled coil, PHD/TTC, and bromodomain. TIF1beta is a corepressor for Kruppel-associated box (KRAB)-domain-containing zinc finger proteins and plays a critical role in early embryogenesis. TIF1beta acts as a transcriptional mediator by binding liganded nuclear receptors, including retinoic acid (RAR), retinoid X (RXR) and estrogen (ER) receptors. TIF1beta associates with both heterochromatin and euchromatin, causing gene silencing by both HP1 binding and histone deacetylation.

Synonyms:

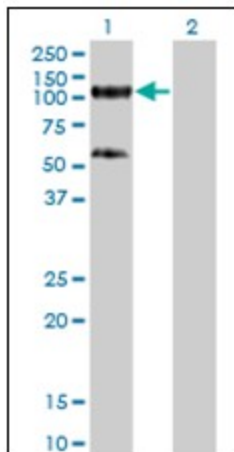
TIF1 beta, TIF1B, KAP1, KAP-1, KRIP1, KRIP-1, RNF96, RING finger protein 96

Protein Families:

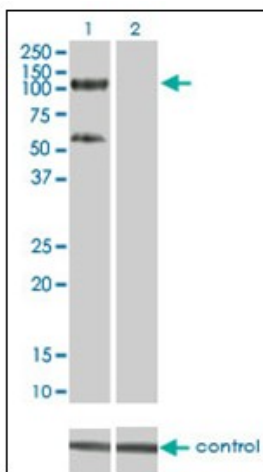
Protein Kinase, Stem cell - Pluripotency, Transcription Factors

Product images:


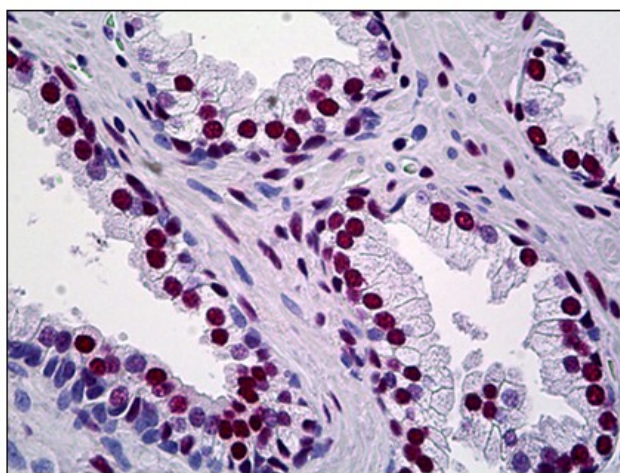
TRIM28 monoclonal antibody, clone 4E6. Western Blot analysis of TRIM28 expression in PC-12.



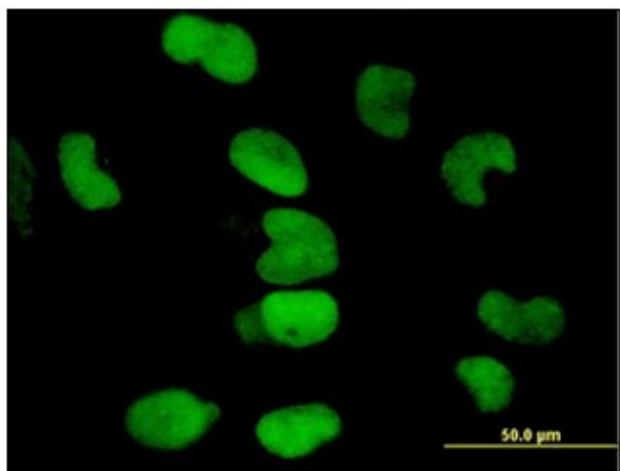
Western Blot analysis of TRIM28 expression in transfected 293T cell line by TRIM28 monoclonal antibody, clone 4E6.



Western blot analysis of TRIM28 over-expressed 293 cell line, cotransfected with TRIM28 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with TRIM28 monoclonal antibody clone 4E6. GAPDH (36.1 kDa) used as control.



Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence of monoclonal antibody to TRIM28 on HeLa cell. [antibody concentration 10 ug/ml]