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TRIM28 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TRIM28.
Catalog # AT4349a

Product Information

Application	WB, IHC
Primary Accession	Q13263
Other Accession	BC004978
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1D11
Calculated MW	88550

Additional Information

Gene ID	10155
Other Names	Transcription intermediary factor 1-beta, TIF1-beta, E3 SUMO-protein ligase TRIM28, 632-, KRAB-associated protein 1, KAP-1, KRAB-interacting protein 1, KRIP-1, Nuclear corepressor KAP-1, RING finger protein 96, Tripartite motif-containing protein 28, TRIM28, KAP1, RNF96, TIF1B
Target/Specificity	TRIM28 (AAH04978, 379 a.a. ~ 524 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TRIM28 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

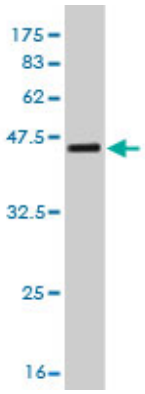
Background

The protein encoded by this gene mediates transcriptional control by interaction with the Kruppel-associated box repression domain found in many transcription factors. The protein localizes to the nucleus and is thought to associate with specific chromatin regions. The protein is a member of the tripartite motif family. This tripartite motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region.

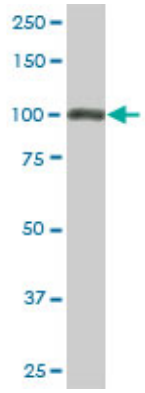
References

SUMOylation of the transcriptional co-repressor KAP1 is regulated by the serine and threonine phosphatase PP1. Li X, et al. Sci Signal, 2010 Apr 27. PMID 20424263.KRAB-zinc finger proteins and KAP1 can mediate long-range transcriptional repression through heterochromatin spreading. Groner AC, et al. PLoS Genet, 2010 Mar 5. PMID 20221260.Aire's partners in the molecular control of immunological tolerance. Abramson J, et al. Cell, 2010 Jan 8. PMID 20085707.53BP1-dependent robust localized KAP-1 phosphorylation is essential for heterochromatic DNA double-strand break repair. Noon AT, et al. Nat Cell Biol, 2010 Feb. PMID 20081839.Histone deacetylase 10 relieves repression on the melanogenic program by maintaining the deacetylation status of repressors. Lai IL, et al. J Biol Chem, 2010 Mar 5. PMID 20032463.

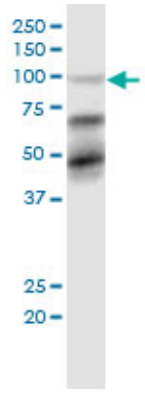
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (41.69 KDa) .

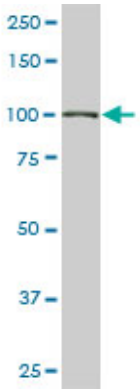


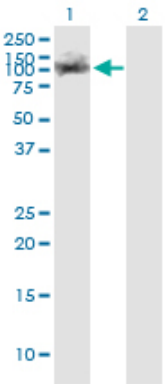
TRIM28 monoclonal antibody (M02), clone 1D11. Western Blot analysis of TRIM28 expression in PC-12 ((Cat # AT4349a)



TRIM28 monoclonal antibody (M02), clone 1D11. Western Blot analysis of TRIM28 expression in MCF-7.

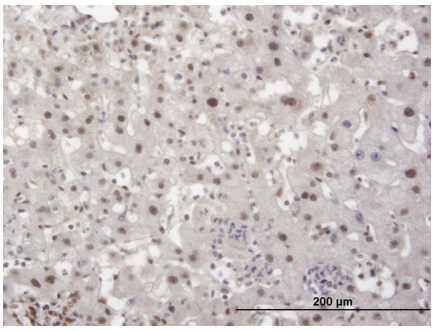
TRIM28 monoclonal antibody (M02), clone 1D11. Western Blot analysis of TRIM28 expression in NIH/3T3 ((Cat # AT4349a)





Western Blot analysis of TRIM28 expression in transfected 293T cell line by TRIM28 monoclonal antibody (M02), clone 1D11.

Lane 1: TRIM28 transfected lysate (Predicted MW: 88.5 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to TRIM28 on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.