

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. |

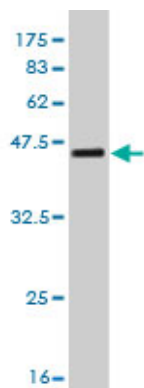
Background

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.

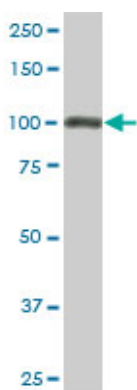
References

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.

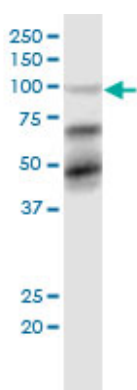
Images



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

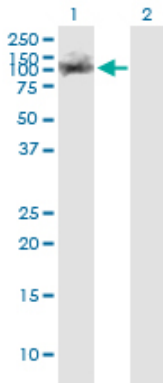
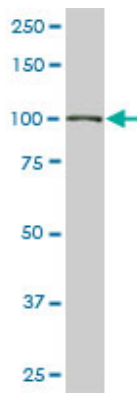


TRIM28 monoclonal antibody (M02), clone 1D11. Western Blot analysis of TRIM28 expression in PC-12 ((Cat # AT4349a)



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

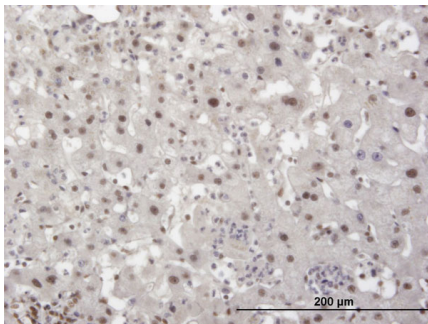
TRIM28 monoclonal antibody (M02), clone 1D11. Western Blot analysis of TRIM28 expression in NIH/3T3 ((Cat # AT4349a)



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'.