

## TRIM28 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TRIM28.

Catalog # AT4349a

### Specification

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#### TRIM28 Antibody (monoclonal) (M02) - Product Information

Application	WB, IHC
Primary Accession	<a href="#">O13263</a>
Other Accession	<a href="#">BC004978</a>
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	88550

#### TRIM28 Antibody (monoclonal) (M02) - 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

##### 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.

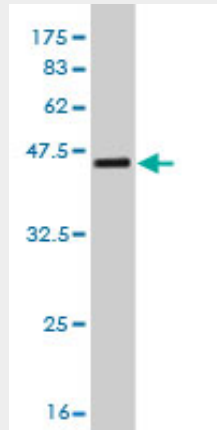
#### TRIM28 Antibody (monoclonal) (M02) - Protocols

Provided below are standard protocols that you may find useful for product applications.

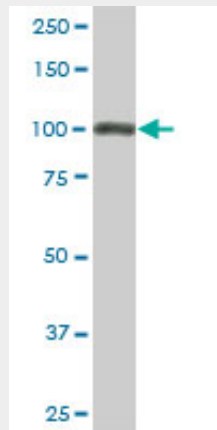
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

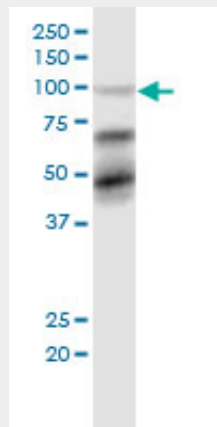
### TRIM28 Antibody (monoclonal) (M02) - Images



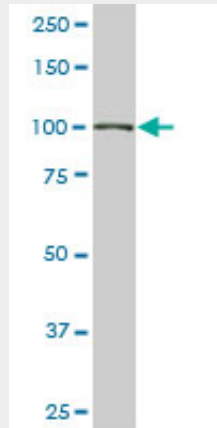
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.69 KDa) .



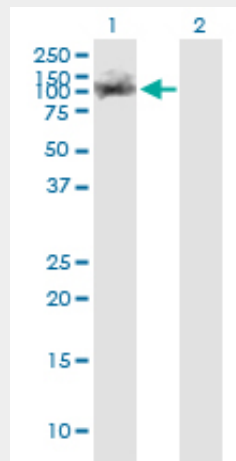
TRIM28 monoclonal antibody (M02), clone 1D11. Western Blot analysis of TRIM28 expression in PC-12 ( (Cat # AT4349a )



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

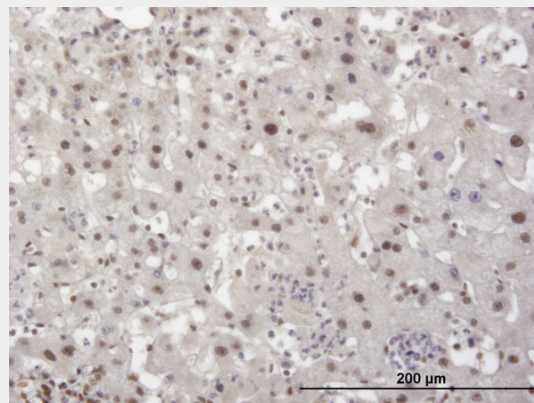


TRIM28 monoclonal antibody (M02), clone 1D11. Western Blot analysis of TRIM28 expression in NIH/3T3 (Cat # AT4349a)



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]

### **TRIM28 Antibody (monoclonal) (M02) - 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.

### **TRIM28 Antibody (monoclonal) (M02) - 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.