

# TRIM24 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TRIM24.

Catalog # AT4345a

## Product Information

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<b>Application</b>	WB, IHC, IF, IP
<b>Primary Accession</b>	<a href="#">O15164</a>
<b>Other Accession</b>	<a href="#">BC028689</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG3 Kappa
<b>Clone Names</b>	2F2
<b>Calculated MW</b>	116831

## Additional Information

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<b>Gene ID</b>	8805
<b>Other Names</b>	Transcription intermediary factor 1-alpha, TIF1-alpha, 632-, E3 ubiquitin-protein ligase TRIM24, RING finger protein 82, Tripartite motif-containing protein 24, TRIM24, RNF82, TIF1, TIF1A
<b>Target/Specificity</b>	TRIM24 (AAH28689, 432 a.a. ~ 569 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 IP~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	TRIM24 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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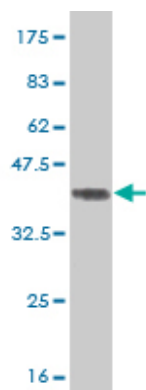
The protein encoded by this gene mediates transcriptional control by interaction with the activation function 2 (AF2) region of several nuclear receptors, including the estrogen, retinoic acid, and vitamin D3 receptors. The protein localizes to nuclear bodies and is thought to associate with chromatin and heterochromatin-associated factors. The protein is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains - a RING, a B-box type 1 and a B-box type 2 - and a coiled-coil region. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene.

## References

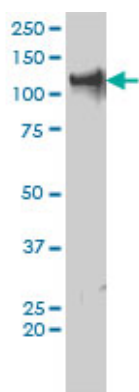
1. Overexpression of TRIM24 Is Associated with the Onset and Progress of Human Hepatocellular Carcinoma. Liu X, Huang Y, Yang D, Li X, Liang J, Lin L, Zhang M, Zhong K, Liang B, Li J. *PLoS One*. 2014 Jan 7;9(1):e85462. doi: 10.1371/journal.pone.0085462. eCollection 2014.

2. TRIM24 mediates ligand-dependent activation of androgen receptor and is repressed by a bromodomain-containing protein, BRD7, in prostate cancer cells. Kikuchi M, Okumura F, Tsukiyama T, Watanabe M, Miyajima N, Tanaka J, Imamura M, Hatakeyama S. *Biochim Biophys Acta*. 2009 Dec;1793(12):1828-36. Epub 2009 Nov 10.

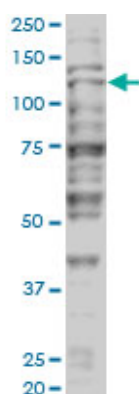
## Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.81 kDa) .



TRIM24 monoclonal antibody (M01), clone 2F2 Western Blot analysis of TRIM24 expression in IMR-32 ( (Cat # AT4345a )

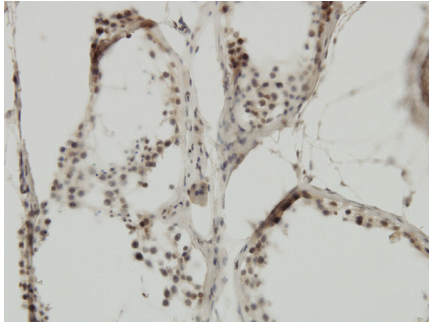
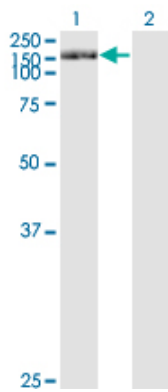


TRIM24 monoclonal antibody (M01), clone 2F2. Western Blot analysis of TRIM24 expression in HeLa S3 NE ( (Cat # AT4345a )

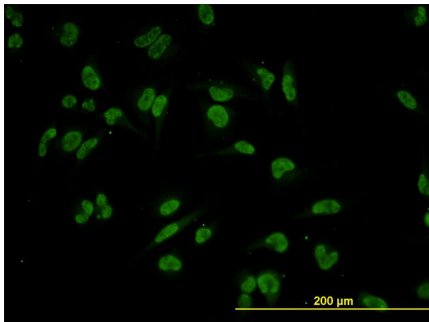
Western Blot analysis of TRIM24 expression in transfected 293T cell line by TRIM24 monoclonal antibody (M01), clone 2F2.

Lane 1: TRIM24 transfected lysate (116.8 kDa).

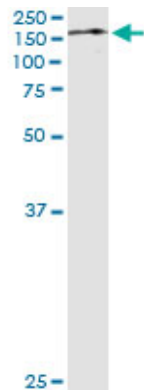
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to TRIM24 on formalin-fixed paraffin-embedded human testis. [antibody concentration 6 ug/ml]



Immunofluorescence of monoclonal antibody to TRIM24 on HeLa cell. [antibody concentration 10 ug/ml]



Immunoprecipitation of TRIM24 transfected lysate using anti-TRIM24 monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with TRIM24 MaxPab rabbit polyclonal antibody.

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