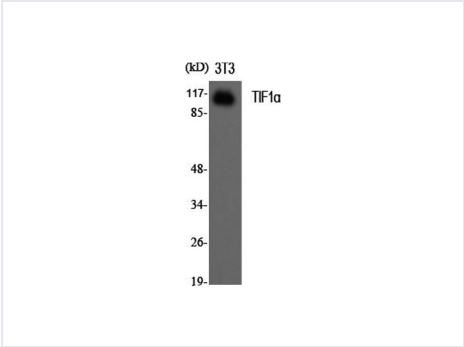
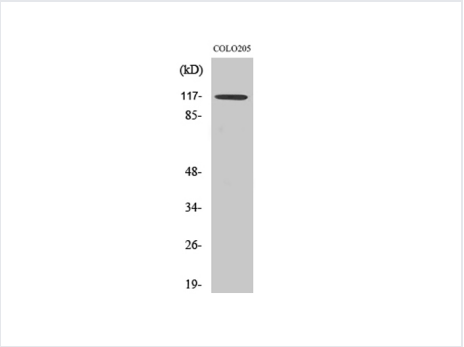
TIF1alpha Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TIF1alpha, Polyclonal Antibody
Full Product Name	TIF1alpha Polyclonal Antibody
Product Gene Name	anti-TIF1alpha antibody
Product Synonym Names	TRIM24; RNF82; TIF1; TIF1A; Transcription intermediary factor 1-alpha; TIF1-alpha; E3 ubiquitin-protein ligase TRIM24; RING finger protein 82; Tripartite motif-containing protein 24
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Antigen Affinity Purified
Concentration	1 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated MW: 117 Observed MW: 117
OMIM	603406
Immunogen	Synthesized peptide derived from the C-terminal region of human TIF1alpha.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TIF1alpha antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-TIF1alpha antibody	WB: 1:500-1:2000, IHC: 1:50-1:200, ELISA: 1:5000-1:20000
Related Product Information for anti-TIF1alpha antibody	MBS2534858 is an antibody targeting TIF1alpha. Also known as TIF1alpha Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-TIF1alpha antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TIF1alpha antibody
Western Blot analysis of 3T3 cells using TIF1? Polyclonal Antibody at dilution of 1:1000.



Western Blot (WB) of anti-TIF1alpha antibody
Western Blot analysis of COLO205 cells using TIF1? Polyclonal Antibody at dilution of 1:1000.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIF1alpha. It may not necessarily be applicable to this product.

NCBI GI #	47419911
NCBI GeneID	8805
NCBI Accession #	NP_056989.2
UniProt Secondary Accession #	O95854; A4D1R7; A4D1R8
UniProt Related Accession #	O15164
GenBank Nucleotide #	NM_015905.2
NCBI Official Full Name	transcription intermediary factor 1-alpha isoform a
NCBI Official Synonym Full Names	tripartite motif containing 24
NCBI Official Symbol	TRIM24
NCBI Official Synonym Symbols	PTC6; TF1A; TIF1; RNF82; TIF1A; hTIF1; TIF1ALPHA
UniProt Protein Name	Transcription intermediary factor 1-alpha
UniProt Synonym Protein Names	E3 ubiquitin-protein ligase TRIM24; RING finger protein 82; Tripartite motif-containing protein 24
UniProt Gene Name	TRIM24
UniProt Synonym Gene Names	RNF82; TIF1; TIF1A; TIF1-alpha
UniProt Entry Name	TIF1A_HUMAN
NCBI Protein Information	transcription intermediary factor 1-alpha
NCBI Summary for TIF1alpha	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. [provided by RefSeq, Jul 2008]

UniProt Comments for TIF1alpha	TRIM24: an atypical protein kinase that functions as a transcriptional coactivator. Originally identified as a mammalian protein that enhances the AF-2 activity of the retinoid X receptor (RXR) in a yeast genetic screen. Binds to nuclear receptors in an agonist and AF2-activating domain (AF2-AD) dependent manner. Binding to the agonist-nuclear receptor complex induces its own hyperphosphorylation as well as the phosphorylation of TFIIEa, TAFII28, and TAFII55. Belongs to a family of nuclear proteins that includes TIF1b and TIF1g. TIF1 proteins are characterized by an N-terminal region that contains a RING finger-B boxes-coiled coil (RBCC) motif, a poorly conserved central region, a C-terminal region that contains a PHD finger, and a bromodomain. Interacts with the heterochromatin-associated proteins HP1a, MOD1 (HP1b), and MOD2 (HP1g) and with the transcriptional repression domain KRAB, which is present in many Kruppel-type (C2H2) zinc finger proteins. May act as a repressor through the formation of transcriptionally inactive heterochromatin. Two splice variant isoforms have been described. Protein type: Nuclear receptor co-regulator; Ubiquitin conjugating system; Kinase, protein; EC 6.3.2.-; Tumor suppressor; Transcription, coactivator/corepressor; Protein kinase, atypical; ATYPICAL group; TIF1 family Chromosomal Location of Human Ortholog: 7q32-q34 Cellular Component: cytosol; nucleus; perichromatin fibrils Molecular Function: chromatin binding; estrogen response element binding; ligand-dependent nuclear receptor binding; ligase activity; methylated histone residue binding; p53 binding; protein binding; protein kinase activity; receptor binding; sequence-specific DNA binding; transcription coactivator activity; ubiquitin-protein ligase activity; zinc ion binding Biological Process: calcium ion homeostasis; negative regulation of cell proliferation; negative regulation of transcription, DNA-dependent; positive regulation of transcription, DNA-dependent; protein amino acid autophosphorylation; protein catabolic process; protein ubiquitination; regulation of apoptosis; regulation of protein stability; transcription from RNA polymerase II promoter Disease: Thyroid Carcinoma, Papillary
Research Articles on TIF1alpha	**1.** TRIM24 is overexpressed in human bladder cancer and facilitates bladder cancer growth and invasion, possibly through NF-kappaB and AKT signaling pathways.
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