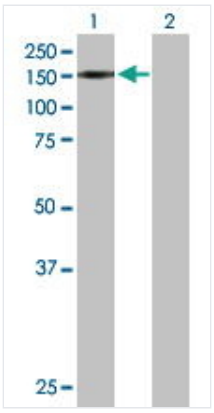
TRIM24 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRIM24, Polyclonal Antibody
Full Product Name	TRIM24 (Transcription Intermediary Factor 1-alpha, TIF1-alpha, E3 Ubiquitin-protein Ligase TRIM24, RING Finger Protein 82, Tripartite Motif-containin
Product Gene Name	anti-TRIM24 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TRIM24.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	113,018 Da
OMIM	188550
3D Structure	ModBase 3D Structure for O15164
Immunogen	Full length human TRIM24, aa1-479 (NP_056989.2).
Immunogen Sequence	MEVAVEKAVAAAAAASAAASGGPSAAPSGENEAESRQGPDSERGGEAARLNLLDTCAVCHQNIQSRAPKLLPCLHSFCQRCLPAPQRYLMLPAPMLGS
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-TRIM24 antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-TRIM24 antibody	Western Blot (WB)
Application Notes for anti-TRIM24 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TRIM24 antibody	The protein encoded by this gene mediates transcriptional control by interaction with the activation function 2 (AF2) region of several nuclear receptors
Other Notes	Small volumes of anti-TRIM24 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces

Searchable Terms for TRIM24 purchase	MBS6397206 is an antibody targeting TRIM24. Also known as TRIM24 (Transcription Intermediary Factor 1-alpha, TIF1-alpha, E3 Ubiquitin-protein Lig



Western Blot (WB) of anti-TRIM24 antibody
Western Blot analysis of TRIM24 expression in transfected 293T cell line by TRIM24 polyclonal antibody. Lane 1: TRIM24 transfected lysate (116.8kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM24. It may not necessarily be applicable to this product.

NCBI GI #	47419911
NCBI GeneID	8805
NCBI Accession #	NP_056989.2
UniProt Primary Accession #	O15164
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
Protein Family	Transcription intermediary factor
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 TRIM24	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 TRIM24	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: Tumor suppressor; EC 6.3.2.-; Nuclear receptor co-regulator; Transcription, coactivator/corepressor; Protein kinase, atypical; Kinase, protein; Ubiquitin conjugating system; ATYPICAL group; TIF1 family Chromosomal Location of Human Ortholog: 7q32-q34 Cellular Component: nucleoplasm; perichromatin fibrils; cytosol; nucleus Molecular Function: ligand-dependent nuclear receptor binding; protein binding; zinc ion binding; p53 binding; sequence-specific DNA binding; transcription coactivator activity; ubiquitin-protein ligase activity; estrogen response element binding; chromatin binding; methylated histone residue binding; receptor binding; ligase activity; protein kinase activity Biological Process: calcium ion homeostasis; transcription from RNA polymerase II promoter; regulation of apoptosis; negative regulation of cell proliferation; response to peptide hormone stimulus; positive regulation of transcription, DNA-dependent; protein amino acid autophosphorylation; regulation of protein stability; protein ubiquitination; protein catabolic process; negative regulation of transcription, DNA-dependent Disease: Thyroid Carcinoma, Papillary
Research Articles on TRIM24	**1.** TRIM24 regulate resistance to Gefitinib via Akt pathway in non-small cell lung cancer cells.
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