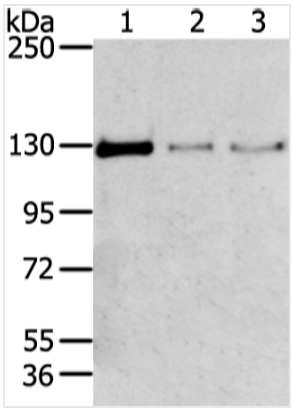
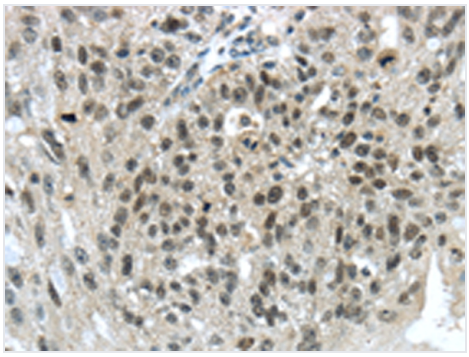
TRIM24 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRIM24, Polyclonal Antibody
Full Product Name	TRIM24 Antibody
Product Gene Name	anti-TRIM24 antibody
Product Synonym Names	PTC6; TF1A; TIF1; RNF82; TIF1A; hTIF1; TIF1ALPHA
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen Affinity Purification
Concentration	2.8 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total TRIM24 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	113,018 Da
OMIM	603406
3D Structure	ModBase 3D Structure for O15164
Immunogen	Synthetic peptide of human TRIM24
Immunogen Type	Peptide
Product Categories/Family for anti-TRIM24 antibody	Total protein Ab
Applications Tested/Suitable for anti-TRIM24 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-TRIM24 antibody	Western Blot: 1:500-1:2000
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, 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.
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 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.
Searchable Terms for TRIM24 purchase	MBS9415233 is an antibody targeting TRIM24. Also known as TRIM24 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TRIM24 antibody
Gel: 6%SDS-PAGE Lysate: 80 ? g Lane 1-3: 293T, 231 and lo2 cell Primary antibody: 1/400 dilution Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 1 minute



Immunohistochemistry (IHC) of anti-TRIM24 antibody
Immunohistochemical analysis of paraffin-embedded Human breast cancer tissue using at dilution 1/40,

ADDITIONAL DETAILS

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

NCBI GI #	47419909
NCBI GeneID	8805
NCBI Accession #	NP_003843.3
UniProt Primary Accession #	O15164
UniProt Secondary Accession #	O95854; A4D1R7; A4D1R8
UniProt Related Accession #	O15164
GenBank Nucleotide #	NM_003852.3
NCBI Official Full Name	transcription intermediary factor 1-alpha isoform b
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

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: ATYPICAL group; EC 6.3.2.-; Kinase, protein; Nuclear receptor co-regulator; Protein kinase, atypical; TIF1 family; Transcription, coactivator/corepressor; Tumor suppressor; Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 7q32-q34 Cellular Component: cytosol; nucleus Molecular Function: chromatin binding; estrogen response element binding; methylated histone residue binding; p53 binding; protein binding; protein-tyrosine kinase activity; receptor binding; transcription coactivator activity; ubiquitin-protein ligase activity; zinc ion binding Biological Process: protein catabolic process; protein ubiquitination; regulation of apoptosis; regulation of protein stability; transcription from RNA polymerase II promoter Disease: Thyroid Carcinoma, Papillary
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