TRAP220 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRAP220, Polyclonal Antibody
Full Product Name	TRAP220 (phospho Thr1457) Polyclonal Antibody
Product Gene Name	anti-TRAP220 antibody
Product Synonym Names	MED1; ARC205; CRSP1; CRSP200; DRIP205; DRIP230; PBP; PPARBP; PPARGBP; RB18A; TRAP220; TRIP2; Mediator of RNA polymerase II transcription subunit 1; Activator-recruited cofactor 205 kDa component; ARC205; Mediator complex subunit 1; Peroxiso
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Monkey
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	Phospho-TRAP220 (T1457) Polyclonal Antibody detects endogenous levels of TRAP220 protein only when phosphorylated at T1457.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	168,478 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (37560538..37607527, complement). Location: 17q12
OMIM	604311
3D Structure	ModBase 3D Structure for Q15648
Immunogen	The antiserum was produced against synthesized peptide derived from human PPAR-BP around the phosphorylation site of Thr1457. AA range:1423-1472
Product Categories/Family for anti-TRAP220 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TRAP220 antibody	Western Blot (WB), Immunohistochemistry-Paraffin (IHC-P), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-TRAP220 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 IF: 1:200-1:1000 ELISA: 1:5000
Related Product Information for anti-TRAP220 antibody	mediator complex subunit 1 (MED1) Homo sapiens The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor- (TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. It also regulates p53-dependent apoptosis and it is essential for adipogenesis. This protein is known to have the ability to self-oligomerize. [provided by RefSeq, Jul 2008]

Other Notes	Small volumes of anti-TRAP220 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 TRAP220 purchase	MBS8585675 is an antibody targeting TRAP220. Also known as TRAP220 (phospho Thr1457) Polyclonal Antibody. Reactive in Human, Mouse, Monkey. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRAP220. It may not necessarily be applicable to this product.

NCBI GI #	28559039
NCBI GeneID	5469
NCBI Accession #	NP_004765.2
UniProt Primary Accession #	Q15648
UniProt Secondary Accession #	O43810; O75447; Q6P9H7; Q6PK58; Q9HD39; A2RRQ6
UniProt Related Accession #	Q15648
GenBank Nucleotide #	NM_004774.3
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 1
NCBI Official Synonym Full Names	mediator complex subunit 1
NCBI Official Symbol	MED1
NCBI Official Synonym Symbols	PBP; CRSP1; RB18A; TRIP2; PPARBP; CRSP200; DRIP205; DRIP230; PPARGBP; TRAP220
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 1
UniProt Synonym Protein Names	Activator-recruited cofactor 205 kDa component; ARC205; Mediator complex subunit 1; Peroxisome proliferator-activated receptor-binding protein; PBP; PPAR-binding protein; Thyroid hormone receptor-associated protein complex 220 kDa component; Trap220; Thyroid receptor-interacting protein 2; TR-interacting protein 2; TRIP-2; Vitamin D receptor-interacting protein complex component DRIP205; p53 regulatory protein RB18A
Protein Family	Mediator of RNA polymerase II transcription
UniProt Gene Name	MED1
UniProt Synonym Gene Names	ARC205; CRSP1; CRSP200; DRIP205; DRIP230; PBP; PPARBP; PPARGBP; RB18A; TRAP220; TRIP2; ARC205; PBP; PPAR-binding protein; Trap220; TR-interacting protein 2; TRIP-2
UniProt Entry Name	MED1_HUMAN
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 1; ARC205; TRIP-2; PPAR binding protein; PPAR-binding protein; PPARG binding protein; TR-interacting protein 2; p53 regulatory protein RB18A; thyroid receptor interacting protein 2; thyroid receptor-inte
NCBI Summary for TRAP220	The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. It also regulates p53-dependent apoptosis and it is essential for adipogenesis. This protein is known to have the ability to self-oligomerize. [provided by RefSeq, Jul 2008]

UniProt Comments for TRAP220	MED1: a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. Also is a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. May regulates p53-dependent apoptosis. Is essential for adipogenesis. This protein is known to have the ability to self-oligomerize. Two splice-variant isoforms have been described. Protein type: Nuclear receptor co-regulator; Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 17q12 Cellular Component: nucleoplasm; membrane; nucleolus; Srb-mediator complex; nucleus; chromatin Molecular Function: ligand-dependent nuclear receptor binding; peroxisome proliferator activated receptor binding; retinoic acid receptor binding; chromatin DNA binding; transcription coactivator activity; receptor activity; transcription factor binding; thyroid hormone receptor coactivator activity; protein binding; ligand-dependent nuclear receptor transcription coactivator activity; vitamin D receptor binding; transcription cofactor activity; LBD domain binding; estrogen receptor binding; chromatin binding; thyroid hormone receptor binding; nuclear hormone receptor binding Biological Process: fat cell differentiation; lactation; lens development in camera-type eye; embryonic placenta development; erythrocyte development; regulation of cell cycle; positive regulation of transcription, DNA-dependent; positive regulation of estrogen receptor signaling pathway; positive regulation of mammary gland epithelial cell proliferation; cell morphogenesis; enucleate erythrocyte development; negative regulation of transcription from RNA polymerase II promoter; cellular lipid metabolic process; androgen biosynthetic process; embryonic hindlimb morphogenesis; angiogenesis; positive regulation of keratinocyte differentiation; steroid hormone receptor signaling pathway; transcription initiation from RNA polymerase II promoter; regulation of transcription from RNA polymerase I promoter; organ regeneration; positive regulation of protein import into nucleus, translocation; monocyte differentiation; embryonic hemopoiesis; thyroid hormone generation; liver development; mRNA transcription from RNA polymerase II promoter; keratinocyte differentiation; negative regulation of neuron differentiation; androgen receptor signaling pathway; embryonic heart tube development; gene expression; positive regulation of transcription from RNA polymerase II promoter; brain development; negative regulation of apoptosis
Research Articles on TRAP220	**1.** MED1 is recruited to the HER2 gene and required for its expression.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-monkey-mouse-antibody/trap220/8585675