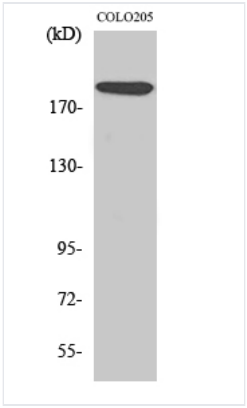
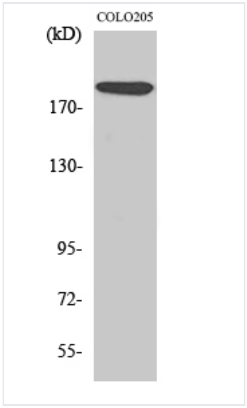
# TRAP220 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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|---|---|
| **Product Name** | TRAP220, Polyclonal Antibody |
| **Full Product Name** | TRAP220 Polyclonal Antibody |
| **Product Gene Name** | anti-TRAP220 antibody |
| **Product Synonym Gene Name** | MED1 |
| **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 |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent 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 |
| **Applications Tested/Suitable for anti-TRAP220 antibody** | Western Blot (WB), Immunofluorescence (IF) |
| **Related Product Information for anti-TRAP220 antibody** | Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors (PubMed:11867769, PubMed:12037571, PubMed:12218053, PubMed:12556447, PubMed:14636573, PubMed:15340084, PubMed:15471764, PubMed:15989967, PubMed:16574658, PubMed:9653119). Acts as a coactivator for GATA1-mediated transcriptional activation during erythroid differentiation of K562 erythroleukemia cells (PubMed:24245781). |
| **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** | MBS9245474 is an antibody targeting TRAP220. Also known as TRAP220 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit. |




**Wester Blot (WB) of anti-TRAP220 antibody**
Dilution: Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.




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Dilution: Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.

## ADDITIONAL DETAILS

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

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| **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 |

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| **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.<br><br>Protein type: Nuclear receptor co-regulator; Transcription, coactivator/corepressor<br><br>Chromosomal Location of Human Ortholog: 17q12<br><br>Cellular Component: nucleoplasm; membrane; nucleolus; Srb-mediator complex; nucleus; chromatin<br><br>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<br><br>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. |
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