

Rabbit MED1 Polyclonal Antibody | anti-MED1 antibody

MED1 Antibody

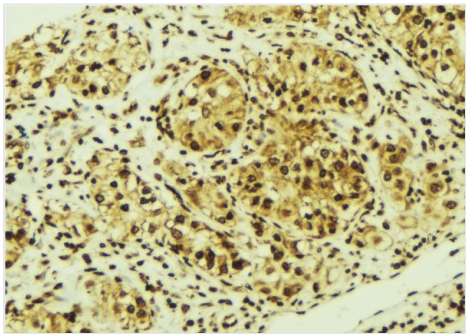
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326344	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

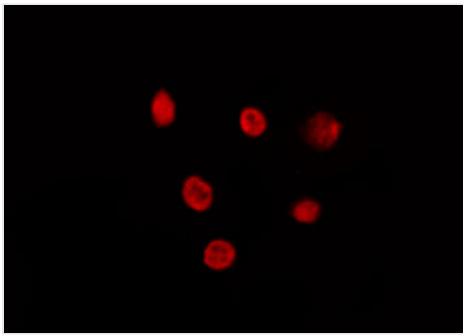
MED1; Polyclonal Antibody; MED1 Antibody; Activator-recruited cofactor 205 kDa component; ARC205; CRSP1; CRSP200; DRIP205; DRIP230; MED1_HUMAN; Mediator complex subunit 1; Mediator of RNA polymerase II transcription subunit 1; p53 regulatory protein RB18A; PBP; Peroxisome proliferator-activated receptor-binding protein; PPAR binding protein; PPAR-binding protein; PPARBP; PPARGBP; RB18A; Thyroid hormone receptor-associated protein complex 220 kDa component; Thyroid receptor-interacting protein 2; TR-interacting protein 2; Trap220; TRIP-2; TRIP2; Vitamin D receptor-interacting protein complex component DRIP205; anti-MED1 antibody

PRODUCT SPECIFICATIONS

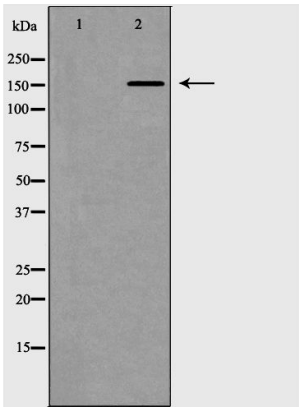
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MED1 antibody detects endogenous levels of total MED1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	1581
Applicable Applications for anti-MED1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MED1
Subcellular Location	Nucleus. A subset of the protein may enter the nucleolus subsequent to phosphorylation by MAPK1 or MAPK3.
Tissue Specificity	Ubiquitously expressed.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemisry)
AAA326344 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA326344 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts of Jurkat, using MED1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MED1 antibody	Description: 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] Function: 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:10406464, 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). Subunit Structure: Component of the Mediator complex, which is composed of MED1, MED4, MED6, MED7, MED8, MED9, MED10, MED11, MED12, MED13, MED13L, MED14, MED15, MED16, MED17, MED18, MED19, MED20, MED21, MED22, MED23, MED24, MED25, MED26, MED27, MED29, MED30, MED31, CCNC, CDK8 and CDC2L6/CDK11. The MED12, MED13, CCNC and CDK8 subunits form a distinct module termed the CDK8 module. Mediator containing the CDK8 module is less active than Mediator lacking this module in supporting transcriptional activation. Individual preparations of the Mediator complex lacking one or more distinct subunits have been variously termed ARC, CRSP, DRIP, PC2, SMCC and TRAP. This subunit specifically interacts with a number of nuclear receptors in a ligand-dependent fashion including AR, ESR1, ESR2, PPARA, PPARG, RORA, RXRA, RXRG, THRA, THRB and VDR. Interacts with CTNNB1, GABPA, GLI3, PPARGC1A and TP53. Interacts with YWHAH. Interacts with CLOCK; this interaction requires the presence of THRAP3 (By similarity). Interacts with GATA1 and CCAR1. Interacts with NR4A3 (By similarity). Post-translational Modifications: Phosphorylated by MAPK1 or MAPK3 during G2/M phase which may enhance protein stability and promote entry into the nucleolus. Similarity: Belongs to the Mediator complex subunit 1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28559039
NCBI GeneID	5469
NCBI Accession #	NP_004765.2
NCBI GenBank Nucleotide #	NM_004774.3
UniProt Accession #	Q15648; O43810; O75447; Q6P9H7; Q6PK58; Q9HD39; A2RRQ6
Molecular Weight	Observed: 168 kDa Predicted: 169 kDa
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
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 1
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 1
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

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/med1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326344>