

Rabbit TRAP220/MED1 Polyclonal Antibody | anti-TRAP220/MED1 antibody

Phospho-TRAP220/MED1 (Thr1032) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329828	Rabbit	Human, Mouse Predicted Reactivity: Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (86%)	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

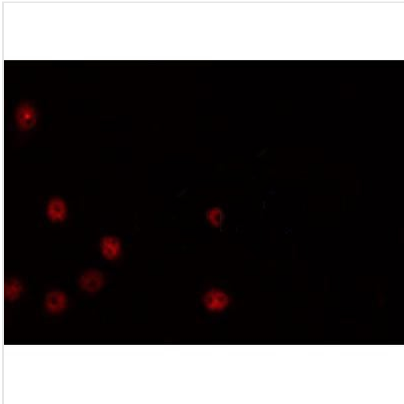
TRAP220/MED1; Polyclonal Antibody; Phospho-TRAP220/MED1 (Thr1032) Antibody; Activator-recruited cofactor 205kDa component; ARC205; CRSP1; CRSP200; DRIP205; DRIP230; MED1; MED1_HUMAN; Mediator complex subunit 1; Mediator of RNA polymerase II transcription subunit 1; p53 regulatory protein RB18A; PBP; Peroxisome proliferator-activated receptor-binding protein; PPAR binding protein; PPAR-binding protein; PPARBP; PPARGBP; RB18A; Thyroid hormone receptor-associated protein complex 220kDa component; Thyroid receptor-interacting protein 2; TR-interacting protein 2; Trap220; TRIP-2; TRIP2; Vitamin D receptor-interacting protein complex component DRIP205; anti-TRAP220/MED1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (86%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-TRAP220/MED1 (Thr1032) Antibody detects endogenous levels of TRAP220/MED1 only when phosphorylated at Thr1032. Tissue Specificity: Ubiquitously expressed.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TRAP220/MED1 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TRAP220/MED1 around the phosphorylation site of Thr1032.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated by MAPK1 or MAPK3 during G2/M phase which may enhance protein stability and promote entry into the nucleolus. Phosphorylation increases its interaction with PSIP1.

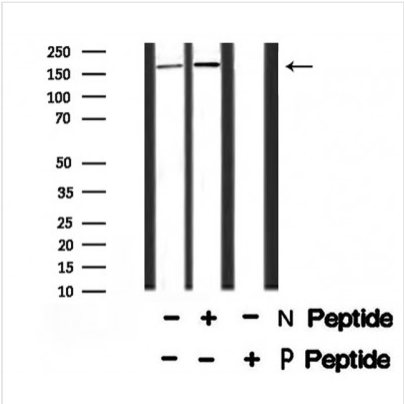
Subunit Structure	Component of the Mediator complex, which is composed of MED1, MED4, MED6, MED7, MED8, MED9, MED10, MED11, MED12, MED13, MED13L, MED14, MED15, MED16, MED17, MED18, MED19, MED20, MED21, MED22, MED23, MED24, MED25, MED26, MED27, MED29, MED30, MED31, CCNC, CDK8 and CDC2L6/CDK11. The MED12, 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). Interacts (via IBM motif) with PSIP1 (via IBD domain); phosphorylation increases its affinity for PSIP1.
Similarity	Belongs to the Mediator complex subunit 1 family.
Subcellular Location	Nucleus. Note: A subset of the protein may enter the nucleolus subsequent to phosphorylation by MAPK1 or MAPK3.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

Staining HuvEc 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 PPARBP (Phospho-Thr1032) using Na3VO4 treated K562 whole cell lysates. -/+ means absence or presence of N peptide?non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-TRAP220/MED1 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. Acts as a coactivator for GATA1-mediated transcriptional activation during erythroid differentiation of K562 erythroleukemia cells.
--	--

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	168,478 Da
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; 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
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
UniProt Entry Name	MED1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/trap220-med1-antibody-peptide-elisa-immunocytochemistry-immunofluorescence-western-blot-elisa/329828>