

ARG66895 anti-MED1 / TRAP220 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MED1 / TRAP220
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MED1 / TRAP220
Species	Human
Immunogen	KLH-conjugated synthetic peptide around the center region of Human MED1 / TRAP220.
Conjugation	Un-conjugated
Alternate Names	TR-interacting protein 2; TRIP-2; Mediator of RNA polymerase II transcription subunit 1; DRIP230; PPAR-binding protein; Vitamin D receptor-interacting protein complex component DRIP205; Peroxisome proliferator-activated receptor-binding protein; Trap220; DRIP205; CRSP1; TRAP220; PBP; p53 regulatory protein RB18A; CRSP200; Mediator complex subunit 1; Thyroid receptor-interacting protein 2; PPARBP; TRIP2; PPARGBP; ARC205; Thyroid hormone receptor-associated protein complex 220 kDa component; RB18A; Activator-recruited cofactor 205 kDa component

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:500
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	H446	
Observed Size	~ 220 kDa	

Properties

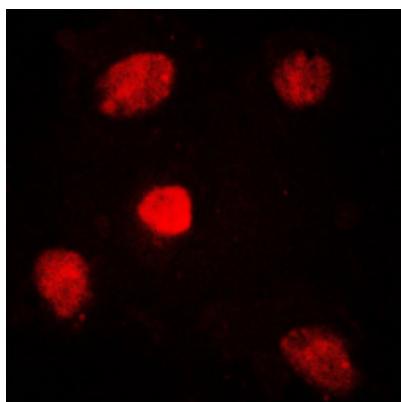
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide

Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

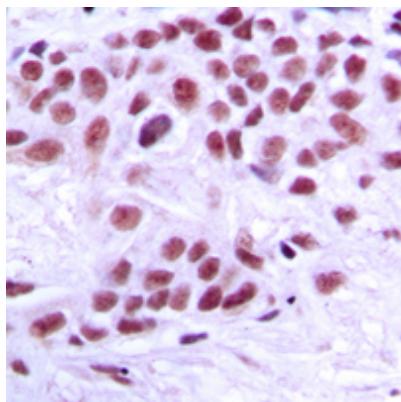
Gene Symbol	MED1
Gene Full Name	mediator complex subunit 1
Background	The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase 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). [UniProt]
Calculated Mw	168 kDa
PTM	Phosphorylated by MAPK1 or MAPK3 during G2/M phase which may enhance protein stability and promote entry into the nucleolus. [UniProt]
Cellular Localization	Nucleus. Note=A subset of the protein may enter the nucleolus subsequent to phosphorylation by MAPK1 or MAPK3. [UniProt]

Images



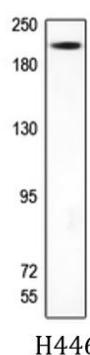
ARG66895 anti-MED1 / TRAP220 antibody ICC/IF image

Immunofluorescence: Formalin-fixed HUVEC cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66895 anti-MED1 / TRAP220 antibody (red) in 3% BSA-PBS and incubated overnight at 4°C.



ARG66895 anti-MED1 / TRAP220 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human breast cancer tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The tissue section was stained with ARG66895 anti-MED1 / TRAP220 antibody at room temperature.



ARG66895 anti-MED1 / TRAP220 antibody WB image

Western blot: H446 whole cell lysate stained with ARG66895 anti-MED1 / TRAP220 antibody.