ARG66411
anti-MED14 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MED14
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MED14
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 670-750 of Human MED14.
Conjugation	Un-conjugated
Alternate Names	CSRP; Transcriptional coactivator CRSP150; TRAP170; RGR1; Mediator complex subunit 14; Thyroid hormone receptor-associated protein complex 170 kDa component; CRSP complex subunit 2; CXorf4; Vitamin D3 receptor-interacting protein complex 150 kDa component; DRIP150; CRSP150; ARC150; CRSP2; EXLM1; RGR1 homolog; Trap170; hRGR1; Activator-recruited cofactor 150 kDa component; Cofactor required for Sp1 transcriptional activation subunit 2; Mediator of RNA polymerase II transcription subunit 14

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:1000
IHC-P	1:100 - 1:300

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

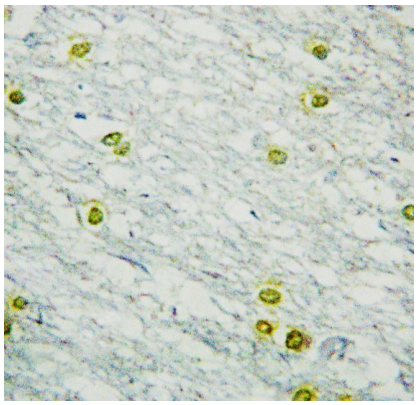
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. 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

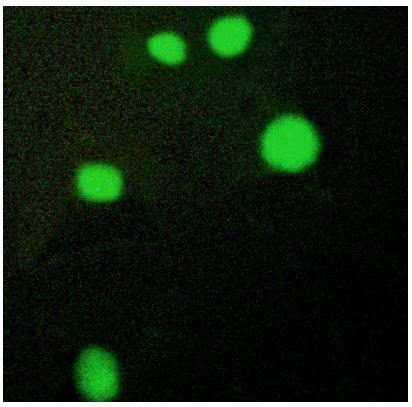
Gene Symbol	MED14
Gene Full Name	mediator complex subunit 14
Background	The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA 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. This protein contains a bipartite nuclear localization signal. This gene is known to escape chromosome X-inactivation. [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. [UniProt]
Calculated Mw	161 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG66411 anti-MED14 antibody IHC-P image

Immunohistochemistry: Human brain stained with ARG66411 anti-MED14 antibody.



ARG66411 anti-MED14 antibody ICC/IF image

Immunofluorescence: COS7 stained with ARG66411 anti-MED14 antibody.