



Rabbit Anti-CRSP2 antibody

SL14068R

Product Name:	CRSP2
Chinese Name:	甲状腺受体相关蛋白CRSP2抗体
Alias:	Activator recruited cofactor 150 kDa component; Activator-recruited cofactor 150 kDa component; ARC150; Cofactor required for Sp1 transcriptional activation subunit 2; CRSP complex subunit 2; DRIP150; EXLM1; hRGR1; MED14; MED14_HUMAN; Mediator complex subunit 14; Mediator of RNA polymerase II transcription subunit 14; RGR1; RGR1 homolog; Thyroid hormone receptor associated protein complex 170 kDa component; Thyroid hormone receptor-associated protein complex 170 kDa component; Transcriptional coactivator CRSP150; Trap170; Vitamin D3 receptor interacting protein complex 150 kDa component; Vitamin D3 receptor-interacting protein complex 150 kDa component.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Monkey,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	161kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CRSP2/MED14:751-850/1454
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:

[PubMed](#)

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.

Subunit:

Interacts with GATA1 (By similarity). 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. Interacts with AR, ESR1, SREBF1 and STAT2.

Subcellular Location:

Nucleus.

Tissue Specificity:

Ubiquitous.

Similarity:

Belongs to the Mediator complex subunit 14 family.

SWISS:

O60244

Gene ID:

Product Detail:

9282

Database links:

[Entrez Gene: 9282](#) Human

[Oimim: 300182](#) Human

[SwissProt: O60244](#) Human

[Unigene: 407604](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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