

CRSP8 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7432c**Specification**

CRSP8 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q6P2C8](#)**CRSP8 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 9442**Other Names**

Mediator of RNA polymerase II transcription subunit 27, Cofactor required for Sp1 transcriptional activation subunit 8, CRSP complex subunit 8, Mediator complex subunit 27, P37 TRAP/SMCC/PC2 subunit, Transcriptional coactivator CRSP34, MED27, CRSP34 {ECO:0000312|EMBL:AAD127211}, CRSP8

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7432c](/products/AP7432c) was selected from the Center region of human CRSP8. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CRSP8 Antibody (Center) Blocking Peptide - Protein Information**Name** MED27**Synonyms** CRSP34 {ECO:0000312|EMBL:AAD12721.1}, CR**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.

Cellular Location
Nucleus**CRSP8 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CRSP8 Antibody (Center) Blocking Peptide - Images**CRSP8 Antibody (Center) Blocking Peptide - 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. CRSP8 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.

CRSP8 Antibody (Center) Blocking Peptide - References

Ryu S., Zhou S., Ladurner A.G., Tjian R. Nature 397:446-450(1999) Malik S., Gu W., Wu W. Mol. Cell 5:753-760(2000) Zhang X., Krutchinsky A., Fukuda A. Mol. Cell 19:89-100(2005)