

**CRSP7 Antibody (monoclonal) (M06)****Mouse monoclonal antibody raised against a partial recombinant CRSP7.****Catalog # AT1633a****Specification**

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**CRSP7 Antibody (monoclonal) (M06) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O95402</a>
Other Accession	<a href="#">NM_004831</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	65446

**CRSP7 Antibody (monoclonal) (M06) - Additional Information****Gene ID** 9441**Other Names**

Mediator of RNA polymerase II transcription subunit 26, Activator-recruited cofactor 70 kDa component, ARC70, Cofactor required for Sp1 transcriptional activation subunit 7, CRSP complex subunit 7, Mediator complex subunit 26, Transcriptional coactivator CRSP70, MED26, ARC70, CRSP7

**Target/Specificity**

CRSP7 (NP\_004822, 501 a.a. ~ 600 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

CRSP7 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

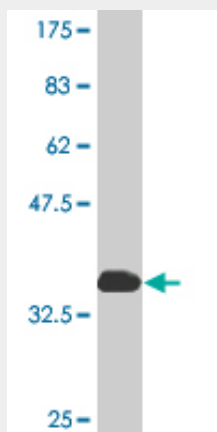
**CRSP7 Antibody (monoclonal) (M06) - Protocols**

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

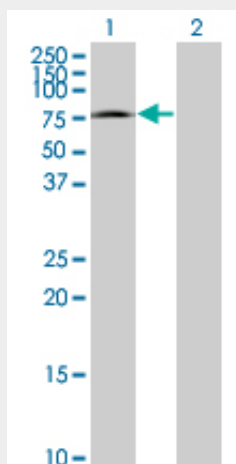
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## CRSP7 Antibody (monoclonal) (M06) - Images



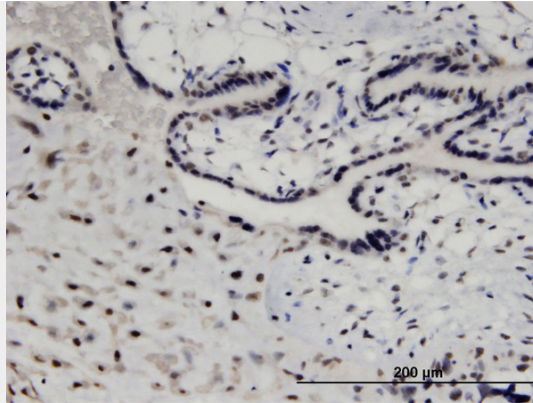
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



Western Blot analysis of CRSP7 expression in transfected 293T cell line by CRSP7 monoclonal antibody (M06), clone 2G10.

Lane 1: CRSP7 transfected lysate (65.446 kDa).

Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to MED26 on formalin-fixed paraffin-embedded human placenta. [antibody concentration 1.5 ug/ml]

### **CRSP7 Antibody (monoclonal) (M06) - 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.

### **CRSP7 Antibody (monoclonal) (M06) - References**

MED19 and MED26 are synergistic functional targets of the RE1 silencing transcription factor in epigenetic silencing of neuronal gene expression. Ding N, et al. J Biol Chem, 2009 Jan 30. PMID 19049968. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983. MED1/TRAP220 exists predominantly in a TRAP/ Mediator subpopulation enriched in RNA polymerase II and is required for ER-mediated transcription. Zhang X, et al. Mol Cell, 2005 Jul 1. PMID 15989967. A set of consensus mammalian mediator subunits identified by multidimensional protein identification technology. Sato S, et al. Mol Cell, 2004 Jun 4. PMID 15175163. Ras induces mediator complex exchange on C/EBP beta. Mo X, et al. Mol Cell, 2004 Jan 30. PMID 14759369.