10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

CRSP7 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant CRSP7.

Catalog # AT1633a

Specification

CRSP7 Antibody (monoclonal) (M06) - Product Information

Application	**WB, IHC**
Primary Accession	O95402
Other Accession	NM_004831
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

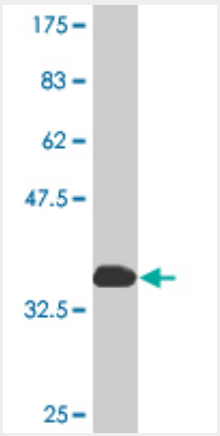
Target/Specificity
CRSP7 (NP_004822, 501 a.a. ~ 600 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

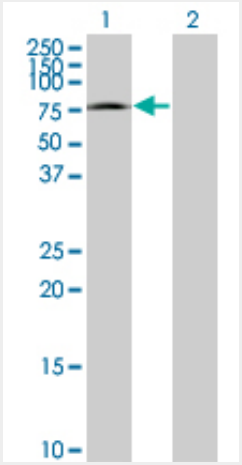
Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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.



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.

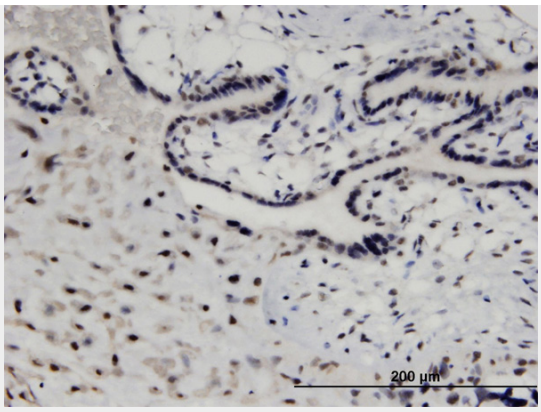
Lane 1: CRSP7 transfected lysate(65.446 KDa).
Lane 2: Non-transfected lysate.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

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 Cytomety
- Cell Culture



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.