

CRSP7 Antibody (monoclonal) (M06)

Mouse monoclonal antibody raised against a partial recombinant CRSP7.

Catalog # AT1633a

Product Information

Application	WB, IHC
Primary Accession	O95402
Other Accession	NM_004831
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2G10
Calculated MW	65446

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 IHC~~1:100~500
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.

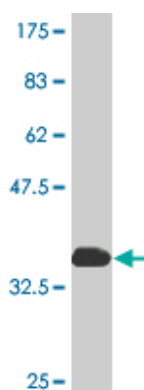
Background

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.

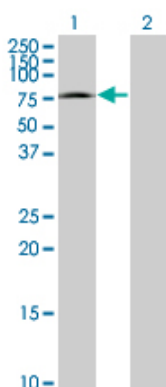
References

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.

Images

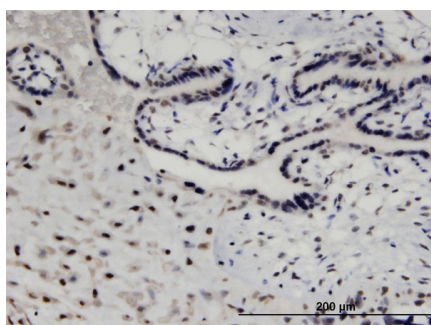


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



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]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.