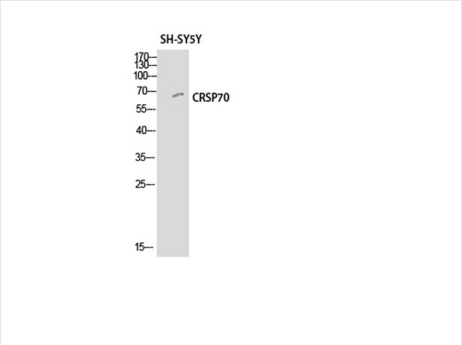
CRSP70 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CRSP70, Polyclonal Antibody
Full Product Name	CRSP70 Polyclonal Antibody
Product Gene Name	anti-CRSP70 antibody
Product Synonym Names	MED26; ARC70; CRSP7; 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 subu
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Purity/Purification	Affinity Purification
Concentration	1mg/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.
Molecular Weight	Calculated Molecular Weight: 65kDa Observed Molecular Weight: 65kDa
OMIM	AF104253 mRNA
3D Structure	ModBase 3D Structure for O95402
Immunogen	Synthesized peptide derived from the N-terminal region of human CRSP70
Buffer	PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol pH 7.4.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CRSP70 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CRSP70 antibody	WB: 1:500-1:2000 ELISA: 1:20000
Related Product Information for anti-CRSP70 antibody	MED26 (Mediator Complex Subunit 26) is a Protein Coding gene. Among its related pathways are Regulation of lipid metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha) and Gene Expression. GO annotations related to this gene include transcription coactivator activity and RNA polymerase II transcription cofactor activity. An important paralog of this gene is ENSG00000141979.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.
Other Notes	Small volumes of anti-CRSP70 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CRSP70 purchase	MBS2549252 is an antibody targeting CRSP70. Also known as CRSP70 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CRSP70 antibody
Western Blot analysis of SH-SY5Y cells using CRSP70 Polyclonal Antibody at dilution of 1:500.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRSP70. It may not necessarily be applicable to this product.

NCBI GI #	28558977
NCBI GeneID	9441
NCBI Accession #	NP_004822.2
UniProt Primary Accession #	O95402
UniProt Secondary Accession #	Q0VGB6; A1A4S3
UniProt Related Accession #	O95402
GenBank Nucleotide #	NM_004831.3
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 26
NCBI Official Synonym Full Names	mediator complex subunit 26
NCBI Official Symbol	MED26
NCBI Official Synonym Symbols	CRSP7; CRSP70
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 26
UniProt Synonym Protein Names	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
Protein Family	Mediator of RNA polymerase II transcription
UniProt Gene Name	MED26
UniProt Synonym Gene Names	ARC70; CRSP7; ARC70; CRSP complex subunit 7
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 26
NCBI Summary for CRSP70	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. [provided by RefSeq, Jul 2008]

UniProt Comments for CRSP70	MED26: 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. Belongs to the Mediator complex subunit 26 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 19p13.11 Cellular Component: nucleoplasm; Srb-mediator complex Molecular Function: protein binding; transcription coactivator activity Biological Process: regulation of transcription from RNA polymerase II promoter; transcription initiation from RNA polymerase II promoter
Research Articles on CRSP70	**1.** EAF1 (239-268) and TAF7 (205-235) peptide interactions were both mapped to the same groove formed by H3 and H4 helices of MED26 N-terminal domain.
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