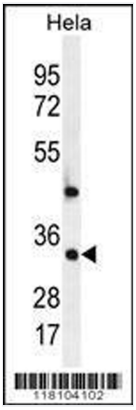
med7 Antibody – Rabbit Polyclonal

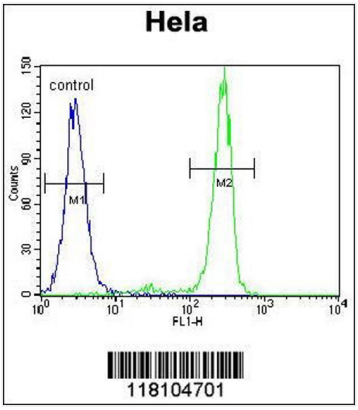
PRODUCT OVERVIEW

Product Name	MED7, Polyclonal Antibody
Full Product Name	MED7, ID (MED7, ARC34, CRSP9, Mediator of RNA polymerase II transcription subunit 7, Activator-recruited cofactor 34kD component, Cofactor required for Sp1 transcriptional activation subunit 9, Mediator complex subunit 7, RNA polymerase transcriptional re
Product Gene Name	anti-med7 antibody
Product Synonym Names	Anti -MED7, ID (MED7, ARC34, CRSP9, Mediator of RNA polymerase II transcription subunit 7, Activator-recruited cofactor 34kD component, Cofactor required for Sp1 transcriptional activation subunit 9, Mediator complex subunit 7, RNA polymerase transcriptional re
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	43,509 Da
Chromosome Location	Chromosome: II; NC_003423.3 (4172385..4175788). Location: chromosome: II
3D Structure	ModBase 3D Structure for O60104
Immunogen	MED7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-119 amino acids from the Central region of human MED7.
Product Categories/Family for anti-med7 antibody	Antibodies; Abs to Enzymes; Polymerase
Applications Tested/Suitable for anti-med7 antibody	ELISA (EL/EIA), Western Blot (WB), Flow Cytometry (FC/FACS)
Application Notes for anti-med7 antibody	Suitable for use in Western Blot, Flow Cytometry, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500 Flow Cytometry: 1:10-50
Related Product Information for anti-med7 antibody	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. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].

Other Notes	Small volumes of anti-med7 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 med7 purchase	MBS648684 is an antibody targeting med7. Also known as MED7, ID (MED7, ARC34, CRSP9, Mediator of RNA polymerase II transcription subunit 7, Activator-recruited cofactor 34kD component, Cofactor required for Sp1 transcriptional activation subunit 9, Mediator complex subunit 7, RNA polymerase transcriptional re. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-med7 antibody
MED7 Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the MED7 antibody detected the MED7 protein (arrow).



Flow Cytometry (FC/FACS) of anti-med7 antibody
MED7 Antibody (Center) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for med7. It may not necessarily be applicable to this product.

NCBI GI #	19113526
NCBI GeneID	2539773
NCBI Accession #	NP_596734.1
UniProt Primary Accession #	O60104
UniProt Secondary Accession #	Q9US98
UniProt Related Accession #	O60104
GenBank Nucleotide #	NM_001022660.2
NCBI Official Full Name	mediator complex subunit Med7
NCBI Official Symbol	med7
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 7
UniProt Synonym Protein Names	Mediator complex subunit 7
Protein Family	Putative mediator of RNA polymerase II transcription
UniProt Gene Name	med7
UniProt Entry Name	MED7_SCHPO
NCBI Protein Information	mediator complex subunit Med7

UniProt Comments for med7	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 By similarity. Subunit structure: Component of the Mediator complex By similarity. Ref.3 Ref.4 Subcellular location: Nucleus Ref.2 Ref.5. Sequence similarities: Belongs to the Mediator complex subunit 7 family.
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