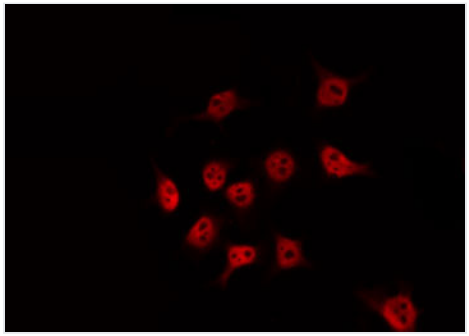
MED17 Antibody – Rabbit Polyclonal

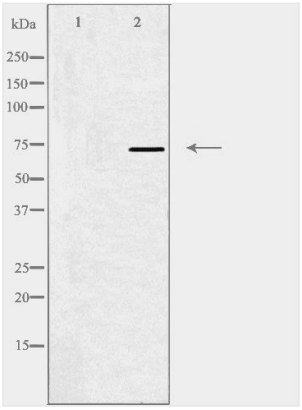
PRODUCT OVERVIEW

Product Name	MED17, Polyclonal Antibody
Full Product Name	MED17 Antibody
Product Gene Name	anti-MED17 antibody
Product Synonym Names	77-KD subunit; Activator recruited cofactor 77 kDa component; Activator-recruited cofactor 77 kDa component; ARC77; Cofactor required for Sp1 transcriptional activation subunit 6; cofactor required for Sp1 transcriptional activation, subunit 6, 77kDa; CRSP complex subunit 6; CRSP6; CRSP77; DRIP80; med17; MED17_HUMAN; Mediator complex subunit 17; Mediator of RNA polymerase II transcription subunit 17; Mediator of RNA polymerase II transcription subunit 17, S cerevisiae, homolog of; Thyroid hormone receptor-associated protein complex 80 kDa component; Thyroid hormone receptor-associated protein, 80-KD subunit; Transcriptional coactivator CRSP77; Trap80; VITAMIN D RECEPTOR-INTERACTING PROTEIN, 80-KD; Vitamin D3 receptor-interacting protein complex 80 kDa component
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	MED17 antibody detects endogenous levels of total MED17
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	MED17 peptide (MBS9623627) is used for blocking the activity of MED17 antibody (MBS9604910)
Molecular Weight	Observed: 73 kD Predicted: 73 kDa
3D Structure	ModBase 3D Structure for Q9NVC6
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Ubiquitous.
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MED17 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-MED17 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500

Related Product Information for anti-MED17 antibody	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. Subunit Structure: Interacts with GATA1 and PPARG (By similarity). Component of the Mediator complex, which is composed of MED1, MED4, MED6, MED7, MED8, MED9, MED10, MED11, MED12, MED13, MED13L, MED14, MED15, MED16, MED17, MED18, MED19, MED20, MED21, MED22, MED23, MED24, MED25, MED26, MED27, MED29, MED30, MED31, CCNC, CDK8 and CDC2L6/CDK11. The MED12, MED13, CCNC and CDK8 subunits form a distinct module termed the CDK8 module. Mediator containing the CDK8 module is less active than Mediator lacking this module in supporting transcriptional activation. Individual preparations of the Mediator complex lacking one or more distinct subunits have been variously termed ARC, CRSP, DRIP, PC2, SMCC and TRAP. Interacts with STAT2. Similarity: Belongs to the Mediator complex subunit 17 family.
Other Notes	Small volumes of anti-MED17 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 MED17 purchase	MBS9604910 is an antibody targeting MED17. Also known as MED17 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunofluorescence (IF) of anti-MED17 antibody
MBS9604910 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



Western Blot (WB) of anti-MED17 antibody
Western blot analysis of extracts from HT-29 cells, using MED17 antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MED17. It may not necessarily be applicable to this product.

NCBI GI #	28558975
NCBI GeneID	9440
NCBI Accession #	NP_004259.3
UniProt Primary Accession #	Q9NVC6
UniProt Secondary Accession #	Q9HA81; Q9UNP7; Q9Y2W0; Q9Y660; B3KN07
UniProt Related Accession #	Q9NVC6
GenBank Nucleotide #	NM_004268.4
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 17
NCBI Official Synonym Full Names	mediator complex subunit 17
NCBI Official Symbol	MED17
NCBI Official Synonym Symbols	SRB4; CRSP6; CRSP77; DRIP80; TRAP80

UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 17
UniProt Synonym Protein Names	Activator-recruited cofactor 77 kDa component; ARC77; Cofactor required for Sp1 transcriptional activation subunit 6; CRSP complex subunit 6; Mediator complex subunit 17; Thyroid hormone receptor-associated protein complex 80 kDa component; Trap80; Transcriptional coactivator CRSP77; Vitamin D3 receptor-interacting protein complex 80 kDa component; DRIP80
Protein Family	Mediator of RNA polymerase II transcription
UniProt Gene Name	MED17
UniProt Synonym Gene Names	ARC77; CRSP6; DRIP77; DRIP80; TRAP80; ARC77; CRSP complex subunit 6; Trap80; DRIP80
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 17
NCBI Summary for MED17	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 MED17	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.
Research Articles on MED17	**1.** These findings suggest that hMED17 may play essential roles in switching between transcription and nucleotide excision repair.
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