

Rabbit anti-Human MED17 Polyclonal Antibody | anti-MED17 antibody

Anti-MED17 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127294	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

MED17; Polyclonal Antibody; Anti-MED17 Antibody Picoband; Zinc finger protein Helios; RNA binding fox-1 homolog 2; RNA binding protein fox-1 homolog 2; Fox-1 homolog B; Hexaribonucleotide-binding protein 2; RNA-binding motif protein 9; RNA-binding protein 9; Repressor of tamoxifen transcriptional activity; RBFOX2; FOX2; HRNBP2; RBM9; RTA; anti-MED17 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in fetal brain.Highly expressed in brain and placenta. Lower levels in heart, liver, thymus, kidney and lung. Located to endothelial cells and neuronal cells of the suprachiasmatic nucleus (SCN). Also detected in endothelial cells of the heart, lung and kidney. In the brain, specificallyExpressed in the thalamus, hippocampus and amygdala.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-MED17 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MED17 recombinant protein (Position: V4-E561).
Subcellular Localization	Nucleus, Cytoplasm
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	RNA-binding protein that regulates alternative splicing events by binding to 5'-UGCAUGU-3' elements. Prevents binding of U2AF2 to the 3'-splice site. Regulates alternative splicing of tissue-specific exons and of differentially spliced exons during erythropoiesis (By similarity). RNA-binding protein that seems to act as a coregulatory factor of ER-alpha.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of U251 cells using anti-MED17 antibody (AAA127294).Overlay histogram showing U251 cells stained with AAA127294 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MED17 Antibody (AAA127294, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of MED17 using anti-MED17 antibody (AAA127294).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Jurkat whole cell lysates,Lane 2: human Caco-2 whole cell lysates,Lane 3: human SIHA whole cell lysates,Lane 4: human K562 whole cell lysates,Lane 5: human Hela whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MED17 antigen affinity purified polyclonal antibody (#AAA127294) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MED17 at approximately 73 kDa. The expected band size for MED17 is at 73 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MED17 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-MED17 antibody	Primary Antibodies; Cardiogenesis; Cardiovascular; Domain Families; Epigenetics and Nuclear Signaling; Hlh/Leucine Zipper; Neurology Process; Neuroscience; Receptors; Transcription; Transcription Factors; Transcription Factors/Regulators
References	1. Donner, A. J., Szostek, S., Hoover, J. M., Espinosa, J. M. CDK8 is a stimulus-specific positive coregulator of p53 target genes. Molec. Cell 27: 121-133, 2007.2. Ito, M., Yuan, C.-X., Malik, S., Gu, W., Fondell, J. D., Yamamura, S., Fu, Z.-Y., Zhang, X., Qin, J., Roeder, R. G. Identity between TRAP and SMCC complexes indicates novel pathways for the function of nuclear receptors and diverse mammalian activators. Molec. Cell 3: 361-370, 1999.3. Jiang, Y.-W., Veschambre, P., Erdjument-Bromage, H., Tempst, P., Conaway, J. W., Conaway, R. C., Kornberg, R. D. Mammalian mediator of transcriptional regulation and its possible role as an end-point of signal transduction pathways. Proc. Nat. Acad. Sci. 95: 8538-8543, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28558975
NCBI GeneID	9440
NCBI Accession #	NP_004259.3
NCBI GenBank Nucleotide #	NM_004268.4
UniProt Accession #	Q9NVC6; Q9HA81; Q9UNP7; Q9Y2W0; Q9Y660; B3KN07
Molecular Weight	72,890 Da
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	CRSP6; CRSP77; DRIP80; TRAP80
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 17; ARC77; CRSP complex subunit 6; transcriptional coactivator CRSP77; activator-recruited cofactor 77 kDa component; vitamin D3 receptor-interacting protein complex 80 kDa component; thyroid hormone rec
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 17

UniProt Gene Name	MED17
UniProt Synonym Gene Names	ARC77; CRSP6; DRIP77; DRIP80; TRAP80; ARC77; CRSP complex subunit 6; Trap80; DRIP80
UniProt Entry Name	MED17_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/med17-antibody-flow-cytometry-western-blot-elisa/127294>