Rabbit MED18 Polyclonal Antibody | anti-MED18 antibody

Anti-MED18 Picoband Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19179	**Rabbit**	**Human, Mouse, RatNo cross reactivity with other proteins.**	**ELISA, Immunohistochemistry, Western Blot**

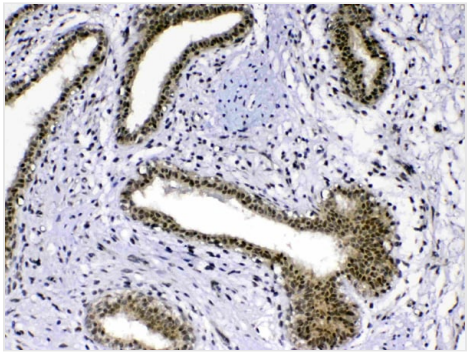
PRODUCT SYNONYMS

MED18; Polyclonal Antibody; Anti-MED18 Picoband Antibody; Mediator of RNA polymerase II transcription subunit 18; Mediator complex subunit 18; p28b; anti-MED18 antibody

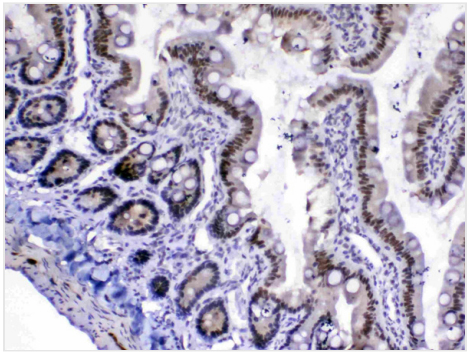
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	208
Applicable Applications for anti-MED18 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.5mug/ml Immunohistochemistry (Paraffin-embedded Section): 0.5-1mug/ml Direct ELISA: 0.1-0.5mug/ml
Immunogen	E Coli-derived human MED18 recombinant protein (Position: M1-M208).
Subcellular Localization	Nucleus.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

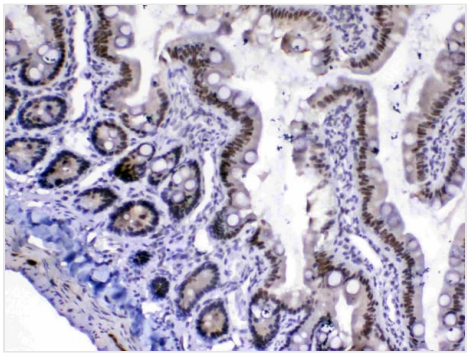
IMAGES



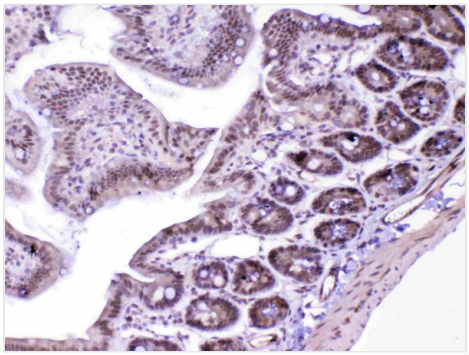
IHC (Immunohistochemistry)
Figure 8. IHC analysis of MED18 using anti-MED18 antibody (AAA19179).MED18 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED18 Antibody (AAA19179) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



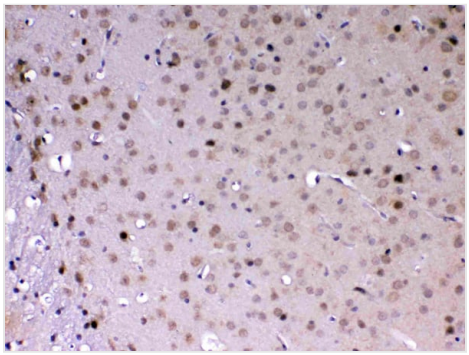
IHC (Immunohistochemistry)
Figure 7. IHC analysis of MED18 using anti-MED18 antibody (AAA19179).MED18 was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED18 Antibody (AAA19179) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



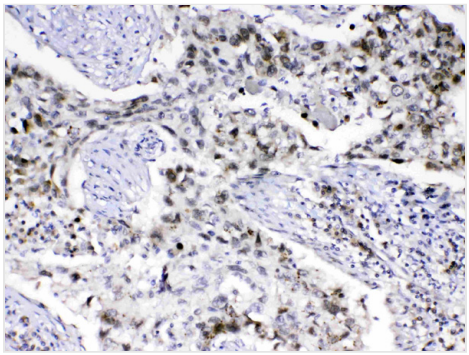
IHC (Immunohistchemistry)
Figure 6. IHC analysis of MED18 using anti-MED18 antibody (AAA19179).MED18 was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED18 Antibody (AAA19179) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 5. IHC analysis of MED18 using anti-MED18 antibody (AAA19179).MED18 was detected in paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED18 Antibody (AAA19179) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 4. IHC analysis of MED18 using anti-MED18 antibody (AAA19179).MED18 was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED18 Antibody (AAA19179) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 3. IHC analysis of MED18 using anti-MED18 antibody (AAA19179).MED18 was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED18 Antibody (AAA19179) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-MED18 antibody	Description: MED18 is a component of the Mediator complex, which is a coactivator for DNA-binding factors that activate transcription via RNA polymerase II. Using in vitro-translated epitope-tagged proteins for protein-binding assays, it is found that MED18 directly interacted with the Mediator subunit TRFP (MED20). The MED18-TRFP heterodimer could also be coimmunoprecipitated from cotransfected insect cells. The MED18 gene was mapped to chromosome 1p35.3 based on an alignment of the MED18 sequence with the genomic sequence. Protein 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.
Product Categories/Family for anti-MED18 antibody	Epigenetics and Nuclear Signaling; Transcription; mediator complex

NCBI AND UNIPROT INFORMATION

NCBI GI #	188035867
NCBI GeneID	54797
NCBI Accession #	NP_001120822.1
NCBI GenBank Nucleotide #	NM_001127350.1
UniProt Accession #	Q9BUE0; Q9NXU9; D3DPM1
Molecular Weight	23,663 Da
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 18
NCBI Official Synonym Full Names	mediator complex subunit 18
NCBI Official Symbol	MED18
NCBI Official Synonym Symbols	SRB5; p28b
NCBI Protein Information	mediator of RNA polymerase II transcription subunit 18
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 18
UniProt Gene Name	**MED18**

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://www.aaabiotech.com/polyclonal/med18-antibody-immunohistochemistry-western-blot-elisa/19179