

Rabbit MED15/Pcqp Polyclonal Antibody | anti-MED15 antibody

Anti-MED15/Pcqp Picoband Antibody

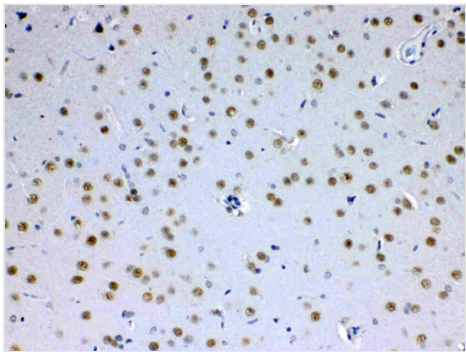
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19169	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MED15/Pcqp; Polyclonal Antibody; Anti-MED15/Pcqp Picoband Antibody; Mediator of RNA polymerase II transcription subunit 15; Activator-recruited cofactor 105 kDa component; ARC105; CTG repeat protein 7a; Mediator complex subunit 15; Positive cofactor 2 glutamine/Q-rich-associated protein; PC2 glutamine/Q-rich-associated protein; TPA-inducible gene 1 protein; TIG-1; Trinucleotide repeat-containing gene 7 protein; MED15; CTG7A; PCQAP; TIG1; TNRC7; anti-MED15 antibody

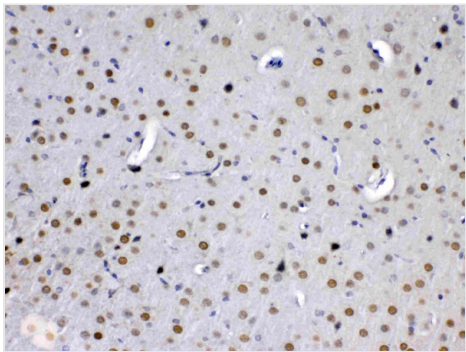
PRODUCT SPECIFICATIONS

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	677
Applicable Applications for anti-MED15 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 MED15 recombinant protein (Position: M1-A285).
Subcellular Localization	Cytoplasm. Nucleus.
Tissue Specificity	Expressed in all tissues examined, including heart, brain, lung, spleen, thymus, pancreas, blood leukocyte and placenta. However, the level of expression varied, with highest expression in the placenta and peripheral blood and lowest in the pancreas and kidney.
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.



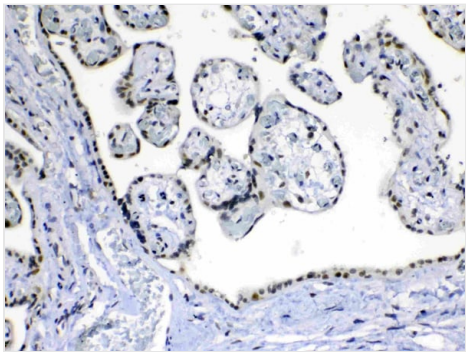
IHC (Immunohistochemistry)

Figure 6. IHC analysis of MED15 using anti-MED15 antibody (AAA19169).MED15 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-MED15 Antibody (AAA19169) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



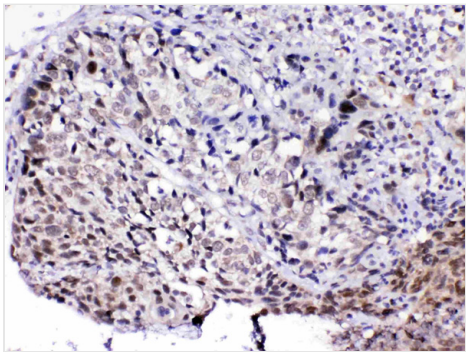
IHC (Immunohistochemistry)

Figure 5. IHC analysis of MED15 using anti-MED15 antibody (AAA19169).MED15 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-MED15 Antibody (AAA19169) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



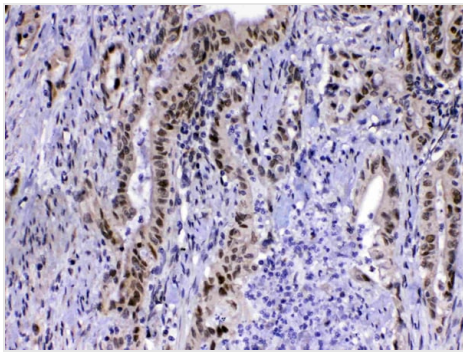
IHC (Immunohistochemistry)

Figure 4. IHC analysis of MED15 using anti-MED15 antibody (AAA19169).MED15 was detected in paraffin-embedded section of human placenta 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-MED15 Antibody (AAA19169) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



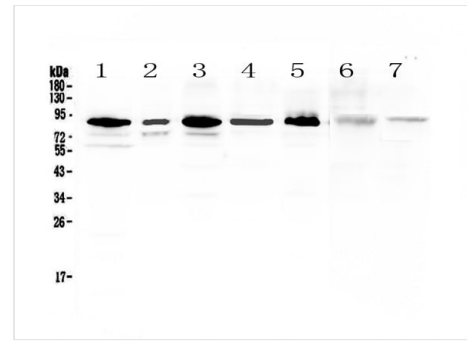
IHC (Immunohistochemistry)

Figure 3. IHC analysis of MED15 using anti-MED15 antibody (AAA19169).MED15 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-MED15 Antibody (AAA19169) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of MED15 using anti-MED15 antibody (AAA19169). MED15 was detected in paraffin-embedded section of human colon 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-MED15 Antibody (AAA19169) 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 Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of MED15 using anti-MED15 antibody (AAA19169). 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 50ug of sample under reducing conditions. Lane 1: human U-87MG whole cell lysates, Lane 2: human U2OS whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human 22RV1 whole cell lysates, Lane 5: human K562 whole cell lysates, Lane 6: rat liver tissue lysates, Lane 7: mouse thymus tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-MED15 antigen affinity purified polyclonal antibody at 0.5 ug/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 1:10000 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 MED15 at approximately 87KD. The expected band size for MED15 is at 87KD.

ADDITIONAL INFORMATION

Related Product Information for anti-MED15 antibody	Description: Mediator of RNA polymerase II transcription subunit 15, also known as Gal11, Spt13 in yeast and PCQAP, ARC105, or TIG-1 in humans is a protein encoded by the MED15 gene. The protein encoded by this gene is a subunit of the multiprotein complexes PC2 and ARC/DRIP and may function as a transcriptional coactivator in RNA polymerase II transcription. This gene contains stretches of trinucleotide repeats and is located in the chromosome 22 region which is deleted in DiGeorge syndrome. 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. Required for cholesterol-dependent gene regulation. Positively regulates the Nodal signaling pathway.
Product Categories/Family for anti-MED15 antibody	Epigenetics and Nuclear Signaling ; Transcription ; mediator complex

NCBI AND UNIPROT INFORMATION

NCBI GI #	51477700
NCBI GeneID	51586
NCBI Accession #	NP_001003891.1
NCBI GenBank Nucleotide #	NM_001003891.2
UniProt Accession #	Q96RN5 ; O15413 ; Q6IC31 ; Q8NF16 ; Q96CT0 ; Q96IH7 ; Q9P1T3 ; D3DX31 ; D3DX32
Molecular Weight	75,927 Da
NCBI Official Full Name	mediator of RNA polymerase II transcription subunit 15 isoform a
NCBI Official Synonym Full Names	mediator complex subunit 15
NCBI Official Symbol	MED15
NCBI Official Synonym Symbols	TIG1; CAG7A; CTG7A; PCQAP; TIG-1; TNRC7; ARC105

NCBI Protein Information	mediator of RNA polymerase II transcription subunit 15
UniProt Protein Name	Mediator of RNA polymerase II transcription subunit 15
UniProt Gene Name	MED15
UniProt Synonym Gene Names	ARC105; CTG7A; PCQAP; TIG1; TNRC7; ARC105; PC2 glutamine/Q-rich-associated protein; TIG-1

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/med15-pcqap-antibody-immunohistochemistry-western-blot-elisa/19169>