ARG43226
anti-MED15 / PCQAP antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MED15 / PCQAP
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MED15 / PCQAP
Species	Human
Immunogen	Recombinant protein corresponding to M1-A285 of Human MED15 / PCQAP.
Conjugation	Un-conjugated
Alternate Names	Activator-recruited cofactor 105 kDa component; PC2 glutamine/Q-rich-associated protein; Mediator complex subunit 15; TPA-inducible gene 1 protein; ARC105; Positive cofactor 2 glutamine/Q-rich-associated protein; CTG7A; Trinucleotide repeat-containing gene 7 protein; Mediator of RNA polymerase II transcription subunit 15; CTG repeat protein 7a; CAG7A; TIG-1; TIG1; PCQAP; TNRC7

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
ICC/IF	1:200 - 1:1000
IHC-P	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 87 kDa

Properties

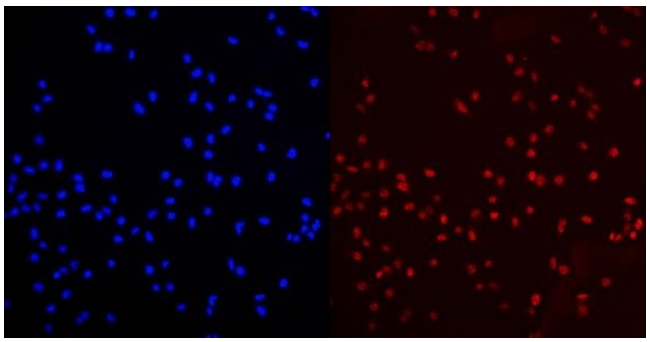
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

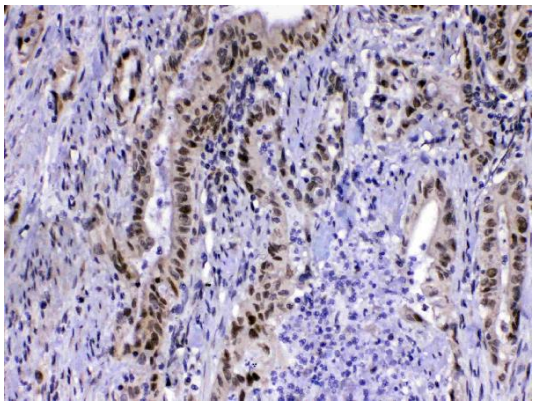
Gene Symbol	MED15
Gene Full Name	mediator complex subunit 15
Background	The protein encoded by this gene is a subunit of the multiprotein complexes PC2 and ARC/DRIP and may function as a transcriptional coactivator in RNA polymerase II transcription. This gene contains stretches of trinucleotide repeats and is located in the chromosome 22 region which is deleted in DiGeorge syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]
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. [UniProt]
Calculated Mw	87 kDa
PTM	Ubiquitinated by TRIM11, leading to proteasomal degradation. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. [UniProt]

Images



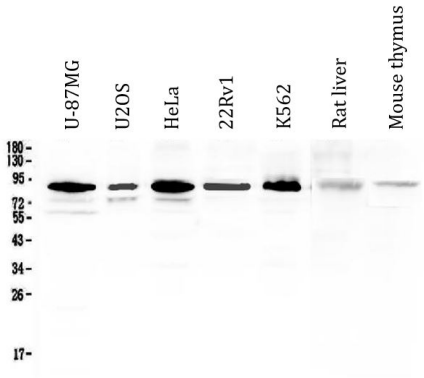
ARG43226 anti-MED15 / PCQAP antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG43226 anti-MED15 / PCQAP antibody (red) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



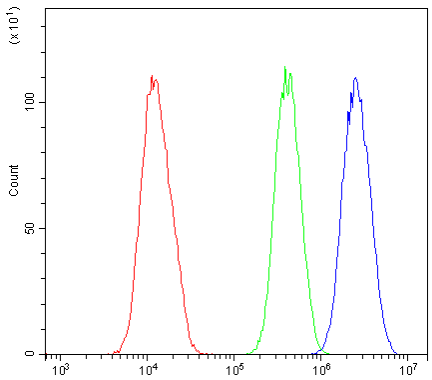
ARG43226 anti-MED15 / PCQAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43226 anti-MED15 / PCQAP antibody at 1 µg/ml dilution, overnight at 4°C.



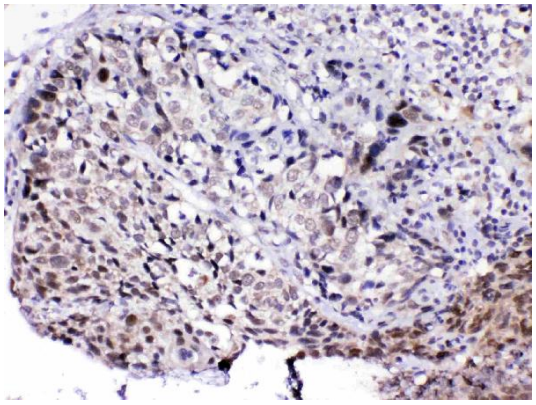
ARG43226 anti-MED15 / PCQAP antibody WB image

Western blot: 50 µg of sample under reducing conditions. U-87MG, U2OS, HeLa, 22Rv1, K562, Rat liver and Mouse thymus lysates stained with ARG43226 anti-MED15 / PCQAP antibody at 0.5 µg/ml dilution, overnight at 4°C.



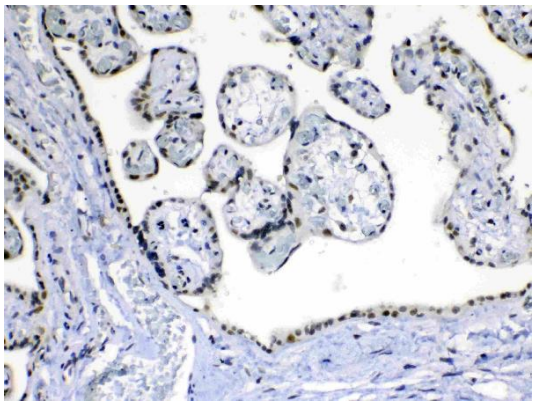
ARG43226 anti-MED15 / PCQAP antibody FACS image

Flow Cytometry: U2OS cells were blocked with 10% normal goat serum and then stained with ARG43226 anti-MED15 / PCQAP antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



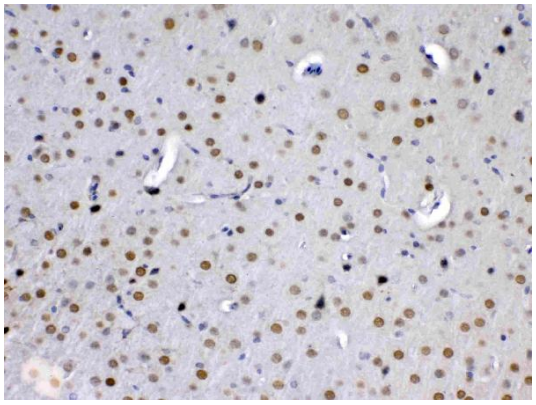
ARG43226 anti-MED15 / PCQAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43226 anti-MED15 / PCQAP antibody at 1 µg/ml dilution, overnight at 4°C.



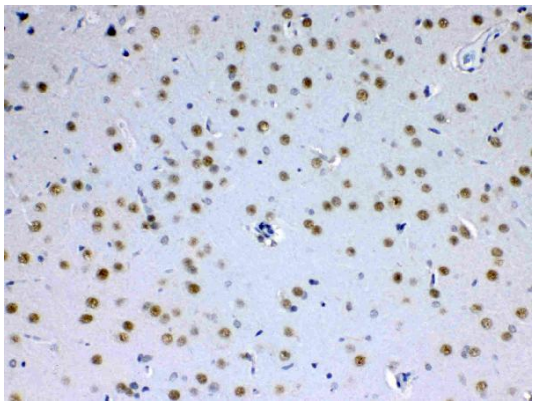
ARG43226 anti-MED15 / PCQAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43226 anti-MED15 / PCQAP antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43226 anti-MED15 / PCQAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43226 anti-MED15 / PCQAP antibody at 1 µg/ml dilution, overnight at 4°C.



ARG43226 anti-MED15 / PCQAP antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43226 anti-MED15 / PCQAP antibody at 1 µg/ml dilution, overnight at 4°C.