

Goat Anti-PCQAP / MED15 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1798a

Specification

Goat Anti-PCQAP / MED15 Antibody - Product Information

Application	WB, E
Primary Accession	O96RN5
Other Accession	NP_056973 , 51586 , 94112 (mouse)
Reactivity	Human
Predicted	Mouse
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	86753

Goat Anti-PCQAP / MED15 Antibody - Additional Information

Gene ID 51586

Other Names

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, ARC105, CTG7A, PCQAP, TIG1, TNRC7

Dilution

WB~~1:1000
E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-PCQAP / MED15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-PCQAP / MED15 Antibody - Protein Information

Name MED15

Synonyms ARC105, CTG7A, PCQAP, TIG1, TNRC7

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.

Cellular Location

Cytoplasm. Nucleus.

Tissue Location

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.

Goat Anti-PCQAP / MED15 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-PCQAP / MED15 Antibody - Images



AF1798a (1 µg/ml) staining of Human Lung lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-PCQAP / MED15 Antibody - 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. Two transcript variants encoding different isoforms have been found for this gene.

Goat Anti-PCQAP / MED15 Antibody - References

Modulation of PLAGL2 transactivation by positive cofactor 2 (PC2), a component of the ARC/Mediator complex. Wezensky SJ, et al. *Gene*, 2010 Feb 15. PMID 20025940.

Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. *Mol Cell Proteomics*, 2008 Mar. PMID 18029348.

TRIM11 binds to and destabilizes a key component of the activator-mediated cofactor complex (ARC105) through the ubiquitin-proteasome system. Ishikawa H, et al. *FEBS Lett*, 2006 Sep 4. PMID 16904669.

An ARC/Mediator subunit required for SREBP control of cholesterol and lipid homeostasis. Yang F, et al. *Nature*, 2006 Aug 10. PMID 16799563.

A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. Lim J, et al. *Cell*, 2006 May 19. PMID 16713569.