10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-MED15 Antibody

Catalog # AP51789

Product Information

Application	WB, IHC
Primary Accession	Q96RN5
Reactivity	Human, Mouse, Rat, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86753

Additional Information

Gene ID	51586
Other Names	ARC105; CTG7A; PCQAP; TIG1; TNRC7; 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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MED15. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

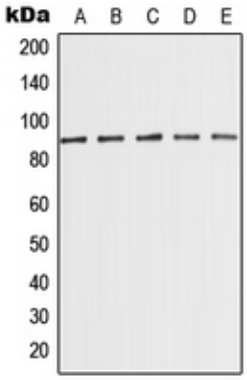
Name	MED15
Synonyms	ARC105, CTG7A, PCQAP, TIG1, TNRC7
Function	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene- specific regulatory proteins to the 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

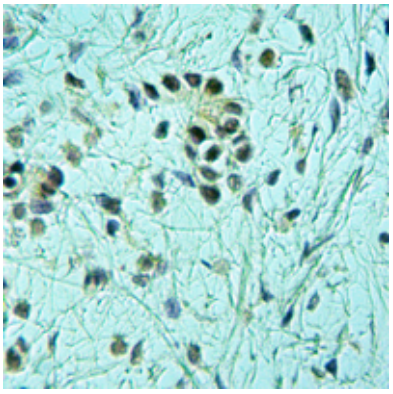
References

Abraham S.,et al.Gene 255:389-400(2000).
Berti L.,et al.Genomics 74:320-332(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of MED15 expression in MCF7 (A), K562 (B), HeLa (C), NIHC3T3 (D), PC12 (E) whole cell lysates. (Predicted band size: 87 kD; Observed band size: 87 kD)



Immunohistochemical analysis of MED15 Antibody staining in human stomach cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.