

Rabbit CIC Polyclonal Antibody | anti-CIC antibody

Anti-CIC Antibody

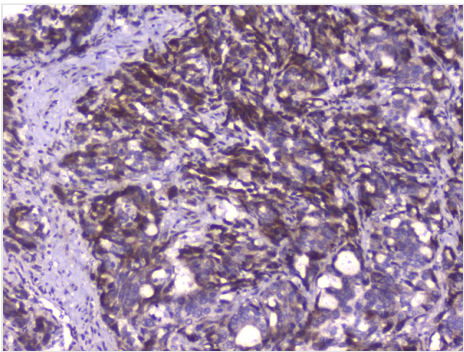
CATALOG # AAA124900	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

CIC; Polyclonal Antibody; Anti-CIC Antibody; Protein capicua homolog; KIAA0306; Capicua transcriptional repressor; anti-CIC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized; Each vial contains 4 mg Trehalose, 0.9 NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃
Sequence Length	1,608
Applicable Applications for anti-CIC antibody	ELISA (Direct ELISA), IHC (Immunohistochemistry)
Immunogen	E Coli-derived human CIC recombinant protein (Position: E1433-Q1527).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC-P.
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 1. IHC analysis of CIC using anti-CIC antibody. CIC was detected in paraffin-embedded section of human gastric 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-CIC Antibody 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.

ADDITIONAL INFORMATION

Related Product Information for anti-CIC antibody	Protein capicua homolog is a protein that in humans is encoded by the CIC gene. The protein encoded by this gene is an ortholog of the Drosophila melanogaster capicua gene, and is a member of the high mobility group (HMG)-box superfamily of transcriptional repressors. This protein contains a conserved HMG domain that is involved in DNA binding and nuclear localization, and a conserved C-terminus. Studies suggest that the N-terminal region of this protein interacts with Atxn1 (GeneID:6310), to form a transcription repressor complex, and in vitro studies suggest that polyglutamine-expansion of ATXN1 may alter the repressor activity of this complex. Mutations in this gene have been associated with olidogdendrogliomas (PMID:21817013). In addition, translocation events resulting in gene fusions of this gene with both DUX4 (GeneID:100288687) and FOXO4 (GeneID:4303) have been associated with round cell sarcomas. This gene is mapped to 19q13.2. Alternative splicing results in multiple transcript variants encoding different isoforms.
References	1. Lee, C.-J., Chan, W.-I., Scotting, P. J. CIC, a gene involved in cerebellar development and ErbB signaling, is significantly expressed in medulloblastomas. J. Neurooncol. 73: 101-108, 2005. 2. Lu, H.-C., Tan, Q., Rousseaux, M. W. C., Wang, W., Kim, J.-Y., Richman, R., Wan, Y.-W., Yeh, S.-Y., Patel, J. M., Liu, X., Lin, T., Lee, Y., and 25 others. Disruption of the ATXN1-CIC complex causes a spectrum of neurobehavioral phenotypes in mice and humans. Nature Genet. 49: 527-536, 2017.

NCBI AND UNIPROT INFORMATION

NCBI GI #	756140883
NCBI GeneID	23152
NCBI Accession #	NP_001291744.1
NCBI GenBank Nucleotide #	NM_001304815.1
UniProt Accession #	Q96RK0; Q7LGI1; Q9UEG5; Q9Y6T1
NCBI Official Full Name	protein capicua homolog isoform CIC-L
NCBI Official Synonym Full Names	capicua transcriptional repressor
NCBI Official Symbol	CIC
NCBI Official Synonym Symbols	MRD45
NCBI Protein Information	protein capicua homolog
UniProt Protein Name	Protein capicua homolog

UniProt Gene Name	CIC
UniProt Synonym Gene Names	KIAA0306

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cic-antibody-direct-elisa-immunohistochemistry-elisa/124900>