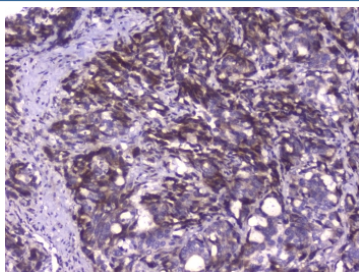


Capicua Antibody / CIC (RQ4551)

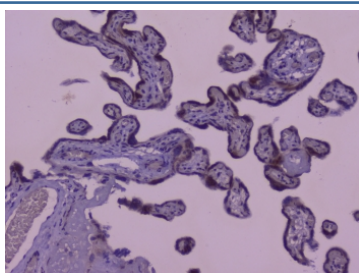
Catalog No.	Formulation	Size
RQ4551	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q96RK0
Localization	Nuclear
Applications	IHC (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml (human recombinant protein)
Limitations	This Capicua antibody is available for research use only.



IHC staining of FFPE human stomach cancer with Capicua antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC staining of FFPE human placenta with Capicua antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

Description

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.

Application Notes

Optimal dilution of the Capicua antibody should be determined by the researcher.

Immunogen

Amino acids E1433-Q1527 from the human protein were used as the immunogen for the Capicua antibody.

Storage

After reconstitution, the Capicua antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.