



# CIC Polyclonal Antibody

<b>Catalog No</b>	BYab-06552
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	CIC KIAA0306
<b>Protein Name</b>	Protein capicua homolog
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 550-630
<b>Specificity</b>	CIC Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	176kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Expressed in fetal brain.
<b>Function</b>	function:Transcriptional repressor which may play a role in development of the central nervous system (CNS).,miscellaneous:Expressed in medulloblastoma, a pediatric brain tumor which may arise from the granule cell lineage.,similarity:Contains 1 HMG box DNA-binding domain.,subunit:Interact with ATXN1 and ATXN1L.,tissue specificity:Expressed in fetal brain.,
<b>Background</b>	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

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suggest that polyglutamine-expansion of ATXN1 may alter the repressor activity of this complex. Mutations in this gene have been associated with oligodendrogliomas (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. There are multiple pseudogenes of this gene found on chromosomes

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**