



CIC Monoclonal Antibody

Catalog No	BYmab-06552
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	CIC KIAA0306
Protein Name	Protein capicua homolog
Immunogen	Synthesized peptide derived from human protein . at AA range: 550-630
Specificity	CIC Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	176kD
Cell Pathway	Nucleus .
Tissue Specificity	Expressed in fetal brain.
Function	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.,
Background	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

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