

RecomAb™

CBX1 recombinant monoclonal antibody, clone RAB-C145

Catalog # RAB03120 Size 100 ug

Specification

Product Description	Human recombinant monoclonal antibody raised against human CBX1.
Antibody Species	Human
Immunogen	Original antibody is raised against CBX1 protein under non-denaturing conditions.
Reactivity	Human
Form	Liquid
Isotype	Fab fragment kappa
Recommend Usage	ChIP ELISA Immunofluorescence IP-MS The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- ChIP
- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay

Gene Info — CBX1

Entrez GeneID [10951](#)**Gene Name** CBX1**Gene Alias** CBX, HP1-BETA, HP1Hs-beta, HP1Hsbeta, M31, MOD1, p25beta**Gene Description** chromobox homolog 1 (HP1 beta homolog Drosophila)**Omim ID** [604511](#)**Gene Ontology** [Hyperlink](#)

Gene Summary

This gene encodes a highly conserved nonhistone protein, which is a member of the heterochromatin protein family. The protein is enriched in the heterochromatin and associated with centromeres. The protein has a single N-terminal chromodomain which can bind to histone proteins via methylated lysine residues, and a C-terminal chromo shadow-domain (CSD) which is responsible for the homodimerization and interaction with a number of chromatin-associated nonhistone proteins. The protein may play an important role in the epigenetic control of chromatin structure and gene expression. Several related pseudogenes are located on chromosomes 1, 3, and X. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]

Other Designations heterochromatin protein 1-beta|heterochromatin protein p25 beta|modifier 1 protein