



Anti-CBX5 (full length) polyclonal antibody (DPAB-DC1110)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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 encoded product is involved in the formation of functional kinetochore through interaction with essential kinetochore proteins. The gene has a pseudogene located on chromosome 3. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Immunogen	CBX5 (AAH06821, 1 a.a. ~ 191 a.a) full-length recombinant protein with GST tag. The sequence is MGKKTKRTADSSSSSEDEEEYVVEKVLDRRVVKGQVEYLLKWKGFSSEHNTWEPEKNLDCP ELISEFMKKYKMKKEGENNKPREKSESNNKRSNFSNSADDIKSKKKREQSNDIARGFERG LEPEKIIGATDSCGDLMLMKWKDTDEADLVLAKEANVKCPQIVIAFYEEERLTWHAYPED AENKEKETAKS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CBX5 chromobox homolog 5 [Homo sapiens (human)]
Official Symbol	CBX5
Synonyms	CBX5; chromobox homolog 5; HP1; HP1A; HEL25; chromobox protein homolog 5; HP1-ALPHA; HP1Hs alpha; antigen p25; HP1 alpha homolog; epididymis luminal protein 25; heterochromatin protein 1-alpha; heterochromatin protein 1 homolog alpha; chromobox homolog 5 (HP1 alpha homolog, Drosophila);
Entrez Gene ID	23468
Protein Refseq	NP_001120793
UniProt ID	P45973
Chromosome Location	12q13.13
Pathway	Aurora B signaling; Factors involved in megakaryocyte development and platelet production;
Function	chromatin binding; histone deacetylase binding; methylated histone binding; protein binding