



Anti-CBX3 (aa 74-87) polyclonal antibody (DPABH-04653)

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

PRODUCT INFORMATION

Antigen Description	Seems to be involved in transcriptional silencing in heterochromatin-like complexes. Recognizes and binds histone H3 tails methylated at Lys-9, leading to epigenetic repression. May contribute to the association of the heterochromatin with the inner nuclear membrane through its interaction with lamin B receptor (LBR). Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.
Immunogen	Synthetic peptide: EAFLNSQKAGKEKD conjugated to KLH, corresponding to internal sequence amino acids 74-87 of Human HP1 gamma
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	50 µg
Buffer	Constituents: 99% Tris buffered saline, 0.5% BSA
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	CBX3 chromobox homolog 4 [Homo sapiens]
Official Symbol	CBX3
Synonyms	CBX3; chromobox homolog 3; HECH; HP1-GAMMA; HP1Hs-gamma; chromobox protein homolog 3; HP1 gamma homolog; modifier 2 protein; heterochromatin-like protein 1; heterochromatin protein HP1 gamma; heterochromatin protein 1 homolog gamma; chromobox homolog 3 (HP1 gamma homolog, Drosophila);
Entrez Gene ID	11335
Protein Refseq	NP_009207.2
UniProt ID	A4D177
Pathway	Diurnally regulated genes with circadian orthologs; RNA Polymerase I Chain Elongation; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription;
Function	enzyme binding; histone methyltransferase binding; identical protein binding; protein binding