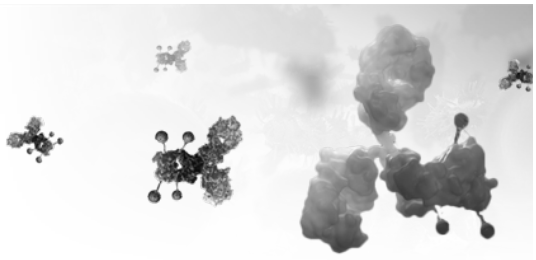

Human CBX3 blocking peptide (CDBP1506)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-CBX3/HP1 Gamma antibody
Antigen Description	At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene.[provided by RefSeq, Mar 2011]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	CBX3 chromobox homolog 3 [Homo sapiens (human)]
Official Symbol	CBX3

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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
mRNA Refseq	NM_007276.4
Protein Refseq	NP_009207.2
UniProt ID	A4D177
Chromosome Location	7p15.2
Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Gene Expression, organism-specific biosystem; RNA Polymerase I Chain Elongation, organism-specific biosystem; RNA Polymerase I Transcription, organism-specific biosystem; RNA Polymerase I, RNA Polymerase III, and Mitochondrial Transcription, organism-specific biosystem;
Function	enzyme binding; histone methyltransferase binding; identical protein binding; protein binding; protein domain specific binding;

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