BT LAB
Bioassay Technology Laboratory
Optimize Your Research

HP1 gamma(Phospho Ser93) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00904
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	The antiserum was produced against synthesized peptide derived from human HP1 gamma around the phosphorylation site of Ser93. AA range:59-108
Mol wt	20811
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Chromobox protein homolog 3
Synonyms	Chromobox protein homolog 3; CBX3; Chromobox protein homolog 3; HECH; Heterochromatin protein 1 homolog gamma; HP1 gamma; Modifier 2 protein

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

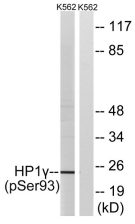
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

ELISA: 1: 10000

Not yet tested in other applications.

Images



Western blot analysis of lysates from K562 cells treated with forskolin 40nM 30', using HP1 gamma (Phospho-Ser93) Antibody. The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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