

## HP1 alpha(Phospho Ser92) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP10140
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human HP1 alpha around the phosphorylation site of Ser92. AA range:58-107
<b>Mol wt</b>	22225
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Chromobox protein homolog 5
<b>Synonyms</b>	Chromobox protein homolog 5; CBX5; HP1A; Chromobox protein homolog 5; Antigen p25; Heterochromatin protein 1 homolog alpha; HP1 alpha

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

### Background

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.

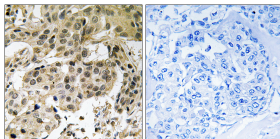
### Recommended Dilution

IHC-p: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using HP1 alpha (Phospho-Ser92) Antibody. The picture on the right is blocked with the phospho peptide.

### Storage

-20°C for 1 year