

HP1 $\gamma$  (Phospho-Ser93) Antibody

Catalog No: #11768



Package Size: #11768-1 50ul #11768-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

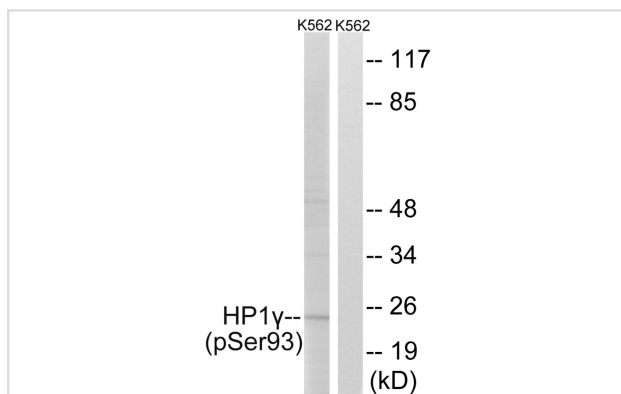
## Description

Product Name	HP1 $\gamma$ (Phospho-Ser93) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of HP1 $\gamma$ only when phosphorylated at serine 93.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 93(R-L-S(p)-L-S) derived from Human HP1 $\gamma$ .
Target Name	HP1 $\gamma$
Modification	Phospho
Other Names	HECH; HP1 $\gamma$ ; HP1Hs- $\gamma$ ; chromobox 3;
Accession No.	Swiss-Prot#: Q13185; NCBI Gene#: 11335/653972; NCBI Protein#: NP_009207.2.
SDS-PAGE MW	24kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from K562 cells treated with forskolin using HP1 $\gamma$  (Phospho-Ser93) Antibody #11768. The lane on the right is treated with the antigen-specific peptide.

## Background

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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. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene.

Ye Q., J. Biol. Chem. 271:14653-14656(1996).

Ye Q., Submitted (JAN-1997) to the EMBL/GenBank/DDBJ databases.

Koike N., FEBS Lett. 467:17-21(2000)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.