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Datasheet for ABIN6972174
anti-CBX3 antibody (pSer93)

2 Images

Overview

Quantity:	100 µL
Target:	CBX3
Binding Specificity:	pSer93
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CBX3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This HP1 gamma phospho Ser93 antibody was raised against a peptide containing phospho Ser93 of human HP1 gamma.
Isotype:	IgG
Characteristics:	Heterochromatin Protein 1 gamma (HP1 gamma) is one of the mammalian homologues of Drosophila HP1, first identified through its role in the maintenance of regions of the genome in a heterochromatic state. HP1 gamma contains a Chromo domain and a Chromo shadow domain. Through the Chromo domain, HP1 proteins are recruited to regions of chromatin that exhibit methylation of lysine 9 of histone H3. Phosphorylation of serine 93 of HP1 gamma increases during mitosis. HP1 gamma phospho Ser93 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Western blot, it has been shown to react with Human samples.

Product Details

Purification: Affinity Purified

Target Details

Target: CBX3

Alternative Name: HP1 gamma ([CBX3 Products](#))

Molecular Weight: 25 kDa

NCBI Accession: [NP_009207](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

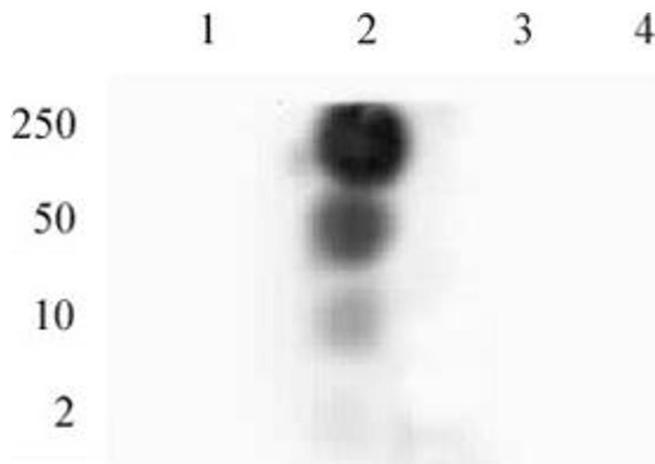
Buffer: Purified IgG in 70 mM Tris (pH 8), 105 mM NaCl, 31 mM glycine, 0.07 mM EDTA, 30 % glycerol and 0.035 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

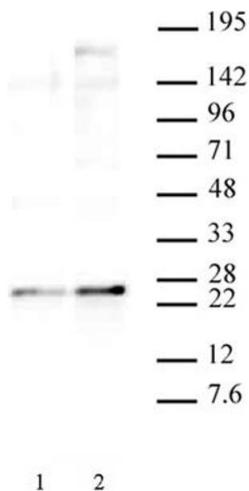
Storage: -20 °C

Storage Comment: Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.



Dot Blot

Image 1. HP1 gamma phospho Ser93 pAb tested by dot blot analysis. Dot blot analysis was used to confirm the specificity of HP1 gamma phospho Ser93 pAb for HP1 gamma phospho Ser93. Phosphorylated peptides corresponding to the immunogen and related peptides were spotted onto PVDF and probed with HP1 gamma phospho Ser93 pAb at 1:5,000. The amount of peptide (picomoles) spotted is indicated next to each row. Lane 1: unmodified HP1 gamma peptide. Lane 2: phospho Ser93 HP1 gamma peptide. Lane 3: phospho Ser92 HP1 alpha peptide. Lane 4: phospho Ser89 HP1 beta peptide.



Western Blotting

Image 2. HP1 gamma phospho Ser93 pAb tested by Western blot. HeLa nuclear extract (20 μ g per lane) was probed with HP1 gamma phospho Ser93 pAb (1:500 dilution). Lane 1: no treatment. Lane 2: cells treated with colcemid.