

Product datasheet

Anti-HP1 gamma antibody ab122974

1 Image

Overview

Product name	Anti-HP1 gamma antibody
Description	Rabbit polyclonal to HP1 gamma
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, ChIP
Species reactivity	Reacts with: Hamster, Human Predicted to work with: Mouse, Chicken, Xenopus laevis, Drosophila melanogaster, Zebrafish, Xenopus tropicalis
Immunogen	Synthetic peptide corresponding to Human HP1 gamma aa 174-183 (C terminal). Sequence: WHSCPEDEAQ-C Database link: Q13185 Run BLAST with Run BLAST with
Positive control	MCF7 cell extract

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.40 Constituents: 1.68% Sodium phosphate, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	sterilized by filtration
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab122974** in the following tested applications.

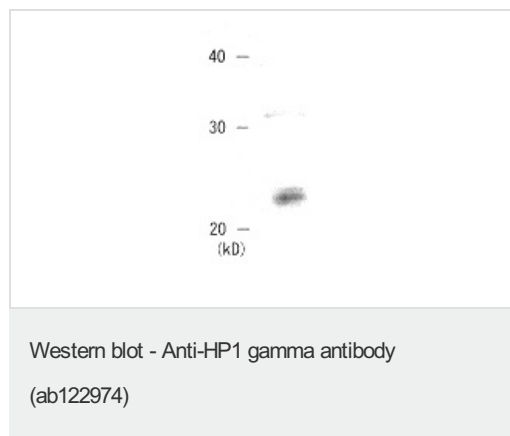
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 20 kDa.
ICC/IF		Use at an assay dependent concentration.
ChIP		Use at an assay dependent concentration.

Target

Function	Seems to be involved in transcriptional silencing in heterochromatin-like complexes. Recognizes and binds histone H3 tails methylated at 'Lys-9', leading to epigenetic repression. May contribute to the association of the heterochromatin with the inner nuclear membrane through its interaction with lamin B receptor (LBR). Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.
Sequence similarities	Contains 2 chromo domains.
Post-translational modifications	Phosphorylated by PIM1. Phosphorylated during interphase and possibly hyper-phosphorylated during mitosis.
Cellular localization	Nucleus. Associates with euchromatin and is largely excluded from constitutive heterochromatin. May be associated with microtubules and mitotic poles during mitosis.

Images



Anti-HP1 gamma antibody (ab122974) at 1/2000 dilution + Baby Hamster Kidney cells

Predicted band size: 20 kDa

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