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HP1BP3 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14023

Specification

HP1BP3 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q5SSJ5
Other Accession	NM_016287, NP_057371
Reactivity	**Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Mouse, Rat, Rabbit, Pig, Horse, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**61kDa KDa**

HP1BP3 antibody - N-terminal region - Additional Information

Gene ID 50809

Alias Symbol **HP1-BP74, MGC43701, RP5-930J4.3**
Other Names
Heterochromatin protein 1-binding protein 3, Protein HP1-BP74, HP1BP3

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-HP1BP3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
HP1BP3 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

HP1BP3 antibody - N-terminal region - Protein Information

Name HP1BP3

Function
Component of heterochromatin that maintains heterochromatin integrity during G1/S progression and regulates the duration of G1 phase to critically influence cell proliferative capacity (PubMed:24830416). Mediates chromatin condensation during hypoxia, leading to increased tumor cell viability, radio-resistance, chemo- resistance and self-renewal(PubMed:25100860).

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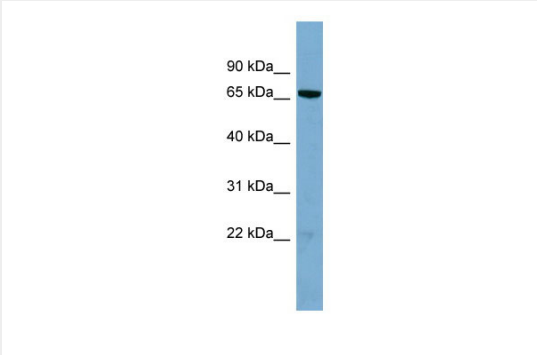
Cellular Location
Nucleus. Chromosome Note=localized in nuclei but not in nucleoli in interphase. Colocalized with chromosomes in mitosis, with a gradually increased during G1 progression and a maximum level during late G1 phase (G1/S)

HP1BP3 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HP1BP3 antibody - N-terminal region - Images



WB Suggested Anti-HP1BP3 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate
HP1BP3 is supported by BioGPS gene expression data to be expressed in Jurkat

HP1BP3 antibody - N-terminal region - References

Hu R.-M.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:9543-9548(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Gregory S.G.,et al.Nature 441:315-321(2006).
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