

Rabbit anti-Human HP1 alpha Polyclonal Antibody | anti-HP1 alpha antibody

HP1 alpha (Ab-92) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA303914	Rabbit	Human	Immunohistochemistry, Western Blot

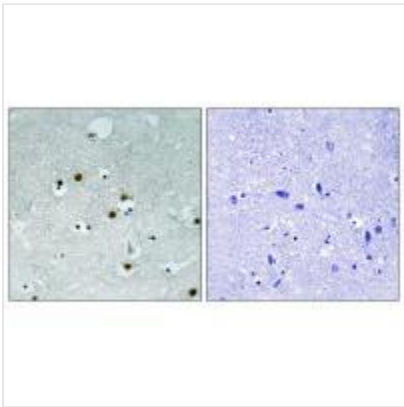
PRODUCT SYNONYMS

HP1 alpha; Polyclonal Antibody; HP1 alpha (Ab-92) Antibody; antigen p25; chromobox protein homolog 5; heterochromatin protein 1 alpha; HP1A; anti-HP1 alpha antibody

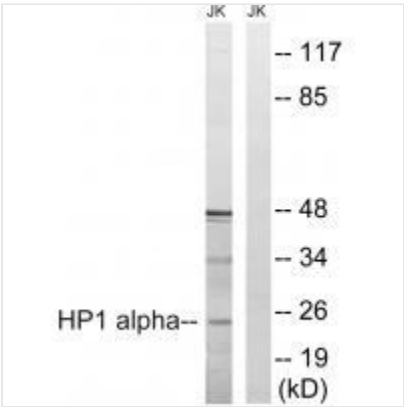
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total HP1 alpha protein
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	191
Applicable Applications for anti-HP1 alpha antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human HP1 alpha around the phosphorylation site of serine 92 (R-K-S(p)-N-F).
Target Name	HP1 alpha
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue using HP1 alpha (Ab-92) antibody.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, treated with insulin (0.01U/ml, 15mins), using HP1 alpha (Ab-92) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HP1 alpha antibody	Component of heterochromatin that recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me), leading to epigenetic repression. In contrast, it is excluded from chromatin when 'Tyr-41' of histone H3 is phosphorylated (H3Y41ph). Can interact with lamin-B receptor (LBR). This interaction can contribute to the association of the heterochromatin with the inner nuclear membrane. Involved in the formation of functional kinetochore through interaction with MIS12 complex proteins.Saunders W.S., J. Cell Sci. 104:573-582(1993).The MGC Project Team; Genome Res. 14:2121-2127(2004).Ye Q., J. Biol. Chem. 271:14653-14656(1996).
Product Categories/Family for anti-HP1 alpha antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	188035908
NCBI GeneID	23468
NCBI Accession #	NP_001120793.1
NCBI GenBank Nucleotide #	NM_001127321.1
UniProt Accession #	P45973; B2R8T9
Molecular Weight	22,225 Da
NCBI Official Full Name	chromobox protein homolog 5
NCBI Official Synonym Full Names	chromobox homolog 5
NCBI Official Symbol	CBX5
NCBI Official Synonym Symbols	HP1; HP1A; HEL25
NCBI Protein Information	chromobox protein homolog 5
UniProt Protein Name	Chromobox protein homolog 5
UniProt Gene Name	CBX5
UniProt Synonym Gene Names	HP1A; HP1 alpha
UniProt Entry Name	CBX5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/hp1-alpha-antibody-immunohistochemistry-western-blot-elisa/303914>