Mouse HP-1alpha Monoclonal Antibody | anti-HP-1alpha antibody

HP-1alpha mouse Monoclonal Antibody (5E3)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA293848	**Mouse**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

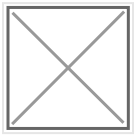
PRODUCT SYNONYMS

HP-1alpha; Monoclonal Antibody; HP-1alpha mouse Monoclonal Antibody (5E3); Chromobox protein homolog 5 (Antigen p25)(Heterochromatin protein 1 homolog alpha)(HP1 alpha); anti-HP-1alpha antibody

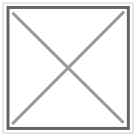
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	5E3
Applicable Applications for anti-HP-1alpha antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



Application Data
Dilution: IF: 1:50-200 WB 1:500-2000,IHC-p 1:50-300



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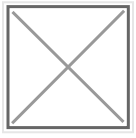

Application Data
Dilution: IF: 1:50-200 WB 1:500-2000,IHC-p 1:50-300

ADDITIONAL INFORMATION

Related Product Information for anti-HP-1alpha 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.

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
NCBI Protein Information	chromobox protein homolog 5; HP1-ALPHA; HP1Hs alpha; antigen p25; HP1 alpha homolog; heterochromatin protein 1-alpha; heterochromatin protein 1 homolog alpha; chromobox homolog 5 (HP1 alpha homolog, Drosophila)
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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/hp-1alpha-antibody-clone-5e3-immunofluorescence-immunohistochemistry-western-blot-elisa/293848