

## Rabbit anti-Human, Mouse HP1alpha Polyclonal Antibody | anti-HP1alpha antibody

HP1alpha Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                           |
|-----------|--------|--------------|--------------------------------------------------------|
| AAA295021 | Rabbit | Human, Mouse | Immunofluorescence, Immunohistochemistry, Western Blot |

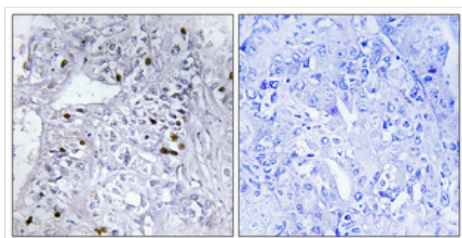
### PRODUCT SYNONYMS

HP1alpha; Polyclonal Antibody; HP1alpha Polyclonal Antibody; CBX5; HP1A; Chromobox protein homolog 5; Antigen p25; Heterochromatin protein 1 homolog alpha; HP1 alpha; anti-HP1alpha antibody

### PRODUCT SPECIFICATIONS

|                                                    |                                                                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                               | Rabbit                                                                                                                                                |
| Reactivity                                         | Human, Mouse                                                                                                                                          |
| Clonality                                          | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-HP1alpha 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. |

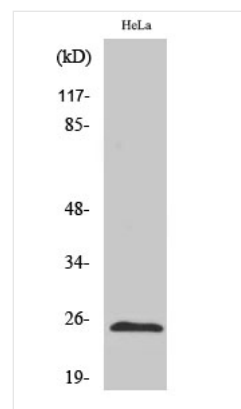
### IMAGES



IHC (Immunohistochemistry)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.



WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-HP1alpha 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/polyclonal/hp1alpha-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/295021>