

## Rabbit anti-Human HP1 gamma/CBX3 Polyclonal Antibody | anti-CBX3 antibody

HP1 gamma/CBX3 Rabbit pAb

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA283185</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

### PRODUCT SYNONYMS

HP1 gamma/CBX3; Polyclonal Antibody; HP1 gamma/CBX3 Rabbit pAb; HECH; HP1-GAMMA; HP1Hs-gamma; anti-CBX3 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                                                   |
| Isotype                                        | IgG                                                                                                                                                                                                          |
| Purity/Purification                            | Affinity purification                                                                                                                                                                                        |
| Form/Format                                    | PBS with 0.05% proclin300, 50% glycerol, pH7.3.                                                                                                                                                              |
| Sequence                                       | MASNKTTLQK MGKKQNGKSK KVEEAPEEF VVEKVLDRRV VNGKVEYFLK WKGFTDADNT WEPEENLDCP<br>ELIEAFLNSQ KAGKEKDGTK RKSLDSESD DSKSKKKRDA ADKPRGFARG LDPERIIGAT DSSGELMFLM<br>KWKDSDEADL VLAKEANMKC PQIVAFYEE RLTHWSCPED EAQ |
| Applicable Applications for anti-CBX3 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                         |
| Cross Reactivity                               | Human, Mouse, Rat                                                                                                                                                                                            |
| Immunogen                                      | Recombinant fusion protein containing a sequence corresponding to amino acids 1-183 of human HP1 gamma/CBX3 (NP_009207.2).                                                                                   |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                                                             |

### IMAGES



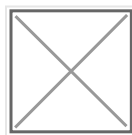
#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse liver using HP1 gamma/HP1 gamma/CBX3 Rabbit pAb (AAA283185) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



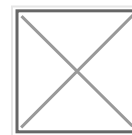
#### IHC (Immunohistochemisry)

Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using HP1 gamma/HP1 gamma/CBX3 Rabbit pAb (AAA283185) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



#### IHC (Immunohiostchemistry)

Immunohistochemistry analysis of paraffin-embedded Rat brain using HP1 gamma/HP1 gamma/CBX3 Rabbit pAb (AAA283185) at dilution of 1:50 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



#### WB (Western Blot)

Western blot analysis of various lysates using HP1 gamma/CBX3 Rabbit pAb (AAA283185) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates / proteins: 25 ug per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CBX3 antibody | At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene. |
| Product Categories/Family for anti-CBX3 antibody   | <a href="#">Epigenetics Nuclear Signaling</a> ; <a href="#">Protein phosphorylation</a> ; <a href="#">Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                  | <a href="#">15082258</a>                                                                                                   |
| NCBI GeneID                | <a href="#">11335</a>                                                                                                      |
| NCBI Accession #           | <a href="#">NP_009207.2</a>                                                                                                |
| NCBI GenBank Nucleotide #  | <a href="#">NM_007276.4</a>                                                                                                |
| UniProt Accession #        | <a href="#">Q13185</a> ; <a href="#">Q96CD7</a> ; <a href="#">Q99409</a> ; <a href="#">Q9BVS3</a> ; <a href="#">Q9P0Z6</a> |
| Molecular Weight           | Calculated MW: 21kDa<br>Observed MW: 21kDa                                                                                 |
| UniProt Protein Name       | Chromobox protein homolog 3                                                                                                |
| UniProt Gene Name          | <b>CBX3</b>                                                                                                                |
| UniProt Synonym Gene Names | HP1 gamma                                                                                                                  |
| UniProt Entry Name         | CBX3_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/hp1-gamma-cbx3-antibody-immunohistochemistry-western-blot-elisa/283185>