

## Rabbit CBX6 Polyclonal Antibody | anti-CBX6 antibody

CBX6 Antibody

|                               |                       |                                        |                                                                                     |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA323772</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunocytochemistry, Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-------------------------------------------------------------------------------------|

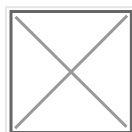
### PRODUCT SYNONYMS

CBX6; Polyclonal Antibody; CBX6 Antibody; Cbx 6; Cbx6; CBX6\_HUMAN; Chromobox homolog 6; Chromobox protein homolog 6; anti-CBX6 antibody

### PRODUCT SPECIFICATIONS

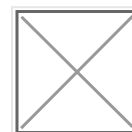
|                                                |                                                                                               |
|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                        |
| Reactivity                                     | Human, Mouse, Rat                                                                             |
| Clonality                                      | Polyclonal                                                                                    |
| Isotype                                        | IgG                                                                                           |
| Specificity                                    | CBX6 antibody detects endogenous levels of total CBX6                                         |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                  | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                | 394                                                                                           |
| Applicable Applications for anti-CBX6 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                  |
| Immunogen                                      | A synthesized peptide                                                                         |
| Subcellular Location                           | Nucleus.                                                                                      |
| Tissue Specificity                             | Expressed during interphase and metaphase.                                                    |
| Conjugation                                    | Unconjugated                                                                                  |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from 293 cells using CBX6 antibody.



#### IF (Immunofluorescence)

AAA323772 staining 293 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CBX6 antibody | <p>Function: Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development (PubMed:21282530). PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility. Possibly contributes to the target selectivity of the PRC1 complex by binding specific regions of chromatin (PubMed:18927235). Recruitment to chromatin might occur in an H3K27me3-independent fashion (By similarity). May have a PRC1-independent function in embryonic stem cells (By similarity).</p> <p>Subunit Structure: Component of a PRC1-like complex (PubMed:21282530). Distinct PRC1-like core complexes are composed of a RING1 subunit (RING1B or RING1A), one of the six PCGF proteins (PCGF1-6), one PHC protein (PHC1-3) and one of the CBX proteins (CBX2, CBX4, CBX6, CBX7 or CBX8) (PubMed:21282530). Interacts with PCGF1, PCGF2, PCGF3, BMI1, PCGF5, PCGF6, RING1 and RNF2 (PubMed:21282530, PubMed:18927235). May interact with HIST2H3A and HIST1H3A (PubMed:18927235). Interacts (via chromodomain) with single-stranded RNA (ssRNA) (By similarity).</p> |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 745399100                             |
| NCBI GeneID                      | 23466                                 |
| NCBI Accession #                 | NP_001290423.1                        |
| NCBI GenBank Nucleotide #        | NM_001303494.1                        |
| UniProt Accession #              | O95503; Q96EM5; A8KAH0                |
| Molecular Weight                 | Observed: 44 kD<br>Predicted: 44 kDa  |
| NCBI Official Full Name          | chromobox protein homolog 6 isoform 2 |
| NCBI Official Synonym Full Names | chromobox 6                           |
| NCBI Official Symbol             | CBX6                                  |
| NCBI Protein Information         | chromobox protein homolog 6           |
| UniProt Protein Name             | Chromobox protein homolog 6           |
| UniProt Gene Name                | CBX6                                  |

**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/cbx6-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/323772>