

## Rabbit anti-Human CBX5 Polyclonal Antibody | anti-CBX5 antibody

CBX5 Antibody

|                               |                       |                            |                                                                  |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|
| CATALOG #<br><b>AAA230129</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|

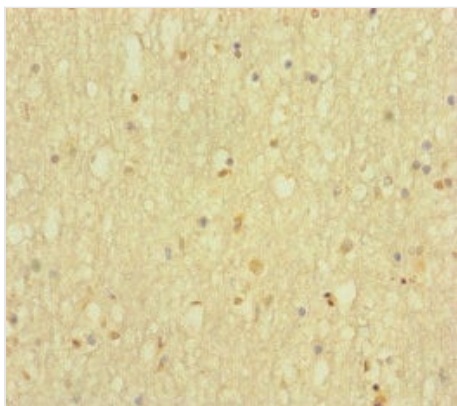
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

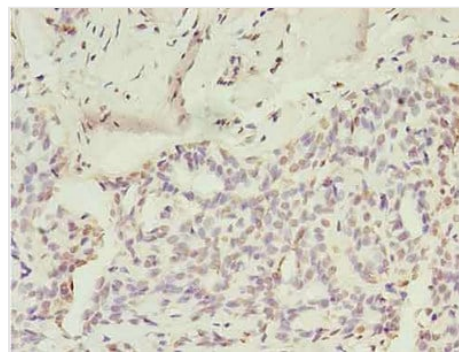
|                                                |                                                                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                               |
| Reactivity                                     | Human                                                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                           |
| Isotype                                        | IgG                                                                                                                                  |
| Purity/Purification                            | Caprylic Acid Ammonium Sulfate Precipitation purified                                                                                |
| Form/Format                                    | Liquid                                                                                                                               |
| Sequence Length                                | 191                                                                                                                                  |
| Applicable Applications for anti-CBX5 antibody | IHC (Immunohistochemistry), WB (Western Blot), ELISA                                                                                 |
| Immunogen                                      | Recombinant human Chromobox protein homolog 5 protein                                                                                |
| Conjugation                                    | Non-conjugated                                                                                                                       |
| Storage Buffer                                 | Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                                       |
| Santa Cruz Alternative                         | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10210 / sc-30742 / sc-30743 / sc-10217 / sc-10215 / sc-28735 |
| Preparation and Storage                        | Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.                                             |

### IMAGES



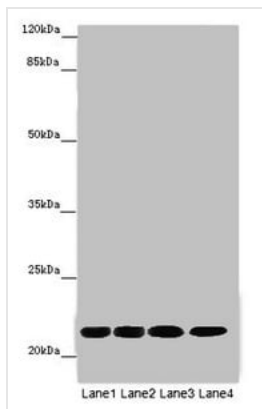
#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA230129 at dilution of 1:100



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human glioma cancer using AAA230129 at dilution of 1:100



**WB (Western Blot)**  
 Western blotAll lanes: CBX5 antibody at 9 ug/mLLane 1: K562 whole cell lysateLane 2: MCF7 whole cell lysateLane 3: 293T whole cell lysateLane 4: Hela whole cell lysateSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 22 kDaObserved band size: 22 kDa

### ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CBX5 antibody</b> | Catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, an intermediate in the biosynthesis of NAD. It is the rate limiting component in the mammalian NAD biosynthesis pathway. The secreted form behaves both as a cytokine with immunomodulating properties and an adipokine with anti-diabetic properties, it has no enzymatic activity, partly because of lack of activation by ATP, which has a low level in extracellular space and plasma. Plays a role in the modulation of circadian clock function. NAMPT-dependent oscillatory production of NAD regulates oscillation of clock target gene expression by releasing the core clock component: CLOCK-ARNTL/BMAL1 heterodimer from NAD-dependent SIRT1-mediated suppression (By similarity). |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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 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.

