

For Research Use Only

CBX3 Polyclonal antibody

Catalog Number: 11650-2-AP

Featured Product

12 Publications



Basic Information

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| Catalog Number: 11650-2-AP | GenBank Accession Number: BC000954 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 650 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 11335 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500 |
| Source: Rabbit | Full Name: chromobox homolog 3 (HP1 gamma homolog, Drosophila) | |
| Isotype: IgG | Calculated MW: 21 kDa | |
| Immunogen Catalog Number: AG2251 | Observed MW: 22 kDa | |

Applications

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| Tested Applications: IF, IHC, WB, ELISA | Positive Controls: WB : mouse spleen tissue, A375 cells IHC : human colon cancer tissue, IF : HepG2 cells, |
| Cited Applications: ChIP, IF, IHC, WB | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, mouse, rat | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

The family of Heterochromatin protein 1 (HP1) proteins is a family of highly conserved heterochromatin-associated non-histone chromosomal proteins, which has important functions in nucleus. These functions include gene activation or repression, regulation of binding of cohesion complexes to centromere, sequestration of genes to nuclear periphery, and heterochromatin formation and propagation. Much evidence shows that HP1 proteins interact with numerous proteins including methylated histones, histone methyltransferases and so on. CBX3 is one of the paralogues of HP1 proteins

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|----------|-------------|
| Xun Huang | 30220457 | Cell | WB |
| Xin Jin | 34785774 | Oncogene | WB,ChIP,IHC |
| Zhangping He | 32161174 | J Virol | WB |

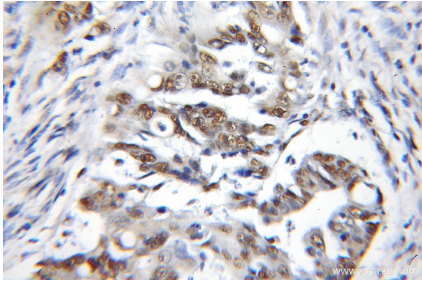
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

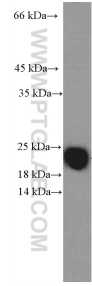
For technical support and original validation data for this product please contact:
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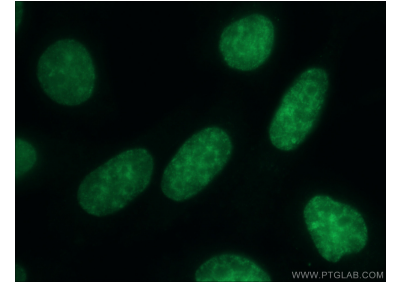
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11650-2-AP (CBX3 antibody) at dilution of 1:100 (under 10x lens).



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 11650-2-AP (CBX3 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 11650-2-AP (CBX3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).