

CBX4 polyclonal antibody

Catalog: BS7970

Host: Rabbit

Reactivity: Human, Mouse

Background:

Polycomb group (PcG) proteins form multiprotein complexes and play a role in gene silencing and Hox gene regulation by altering chromatin structure during transcription. The PcG protein MPC2, also known as CBX4, PC2 or HPc2, maps to human chromosome 17q25.3. MPC2 and MPC3 are PcG proteins that show structural similarity to M33 and, like M33, bind the PcG protein RING1 through a conserved c-box motif located in the C-terminus of RING1. MPC2 is a repressor of proto-oncogene activity, thus interference with MPC2 function can lead to depression of proto-oncogene transcription and subsequently to cellular transformation. MPC2 is able to act as a long range transcriptional silencer. MPC2 is expressed in the human osteosarcoma cell line U-20S. MPC2 is part of a large multiprotein complex that also contains other PcG proteins including Bmi-1.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 61 kDa

Swiss-Prot:

O00257

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB 1:500 - 1:2000

IHC 1:50 - 1:200

IP 1:50 - 1:200

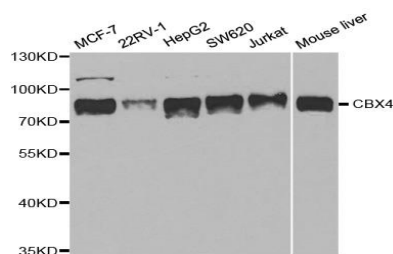
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

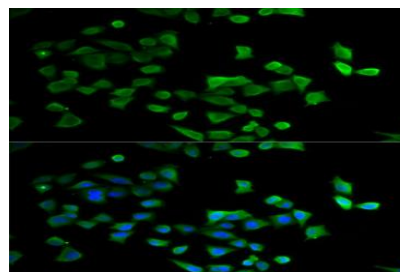
Specificity:

CBX4 polyclonal antibody detects endogenous levels of CBX4 protein.

DATA:



WesternBlot (WB) analysis of CBX4 polyclonal antibody



Immunofluorescence analysis of A549 cells, using CBX4 polyclonal antibody

Note:

For research use only, not for use in diagnostic procedure.

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