

Anti-Chromobox protein homolog 1 CBX1 Monoclonal Antibody

Catalog Number: M04206

About CBX1

Anti Mesothelin Antibody recognizes Mesothelin that is a glycosyl-phosphatidylinositol-anchored glycoprotein present on the cell surface of various human solid tumors. The mesothelin (MSLN) gene encodes a 71-kDa precursor protein that is processed to a 40-kDa glycosylphosphatidylinositol-anchored protein that composes the mature portion and an NH2 terminal 31-kDa fragment called megakaryocyte-potentiating factor that is released from the cell. Mesothelin is a tumor differentiation antigen present at low levels on a restricted set of normal adult tissues, such as mesothelium, but aberrantly over expressed in mesotheliomas, ovarian, and pancreatic cancers. The biological functions of mesothelin remain elusive. A recent study showed that mesothelin binds to MUC16/CA125, and that this interaction mediates cell adhesion, suggesting that there may be an important role for MUC16/CA125 and mesothelin in the metastatic spread of ovarian cancer.

Overview

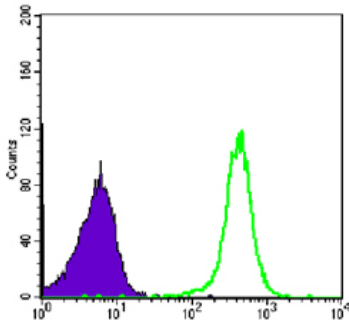
Product Name	Anti-Chromobox protein homolog 1 CBX1 Monoclonal Antibody
Reactive Species	Human, Monkey
Description	Boster Bio Anti-Chromobox protein homolog 1 CBX1 Monoclonal Antibody catalog # M04206. Tested in ELISA, Flow Cytometry, IF, WB applications. This antibody reacts with Human, Monkey.
Application	ELISA, Flow Cytometry, IF, WB
Clonality	Monoclonal 5A3
Formulation	Ascitic fluid containing 0.03% sodium azide, 0.5% BSA, 50% glycerol.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P83916

Technical Details

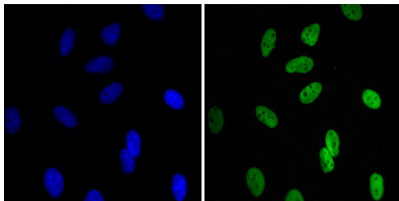
Immunogen	Purified recombinant fragment of human CBX1 expressed in E. Coli.
Predicted Reactive Species	Chimpanzee, Macaque
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG1
Form	Liquid
Concentration	1 mg/ml

Purification	Affinity purification
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB 1:500-1:2000</p> <p>IF 1:200-1:1000</p> <p>FC 1:200-1:400</p> <p>ELISA 1:10000</p>

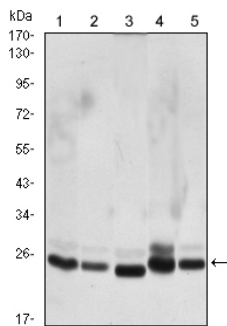
Anti-Chromobox protein homolog 1 CBX1 Monoclonal Antibody (M04206) Images



Flow cytometric analysis of COS7 cells using CBX1 monoclonal antibody (green) and negative control (purple).



Immunofluorescence analysis of HeLa cells using CBX1 monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye.



Western blot analysis using CBX1 monoclonal antibody against HeLa (1) , COS7 (2) , NIH/3T3 (3) , A431 (4) , and C6 (5) cell lysate.

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