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CBX8 Antibody (C-term)

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AW5081

Product Information

Application	FC, WB
Primary Accession	Q9HC52
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Calculated MW	43396
Isotype	IgG1
Antigen Source	HUMAN

Additional Information

Gene ID	57332
Other Names	Chromobox protein homolog 8, Polycomb 3 homolog, Pc3, hPc3, Rectachrome 1, CBX8, PC3, RC1
Dilution	FC~~1:25 WB~~1:1000
Target/Specificity	This CBX8 antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between amino acids from the C-terminal region of human CBX8.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CBX8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CBX8
Synonyms	PC3, RC1
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. 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.

Cellular Location Nucleus.

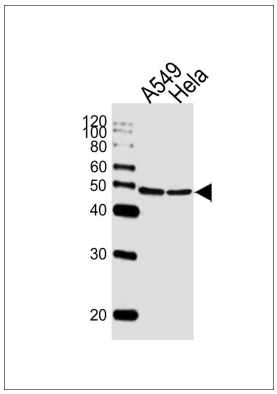
Background

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. 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.

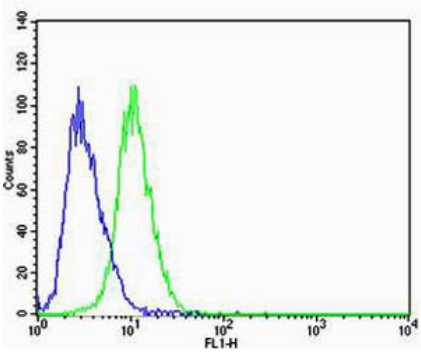
References

Bardos J.I.,et al.J. Biol. Chem. 275:28785-28792(2000).
Michael M.Z.,et al.Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Garcia-Cuellar M.P.,et al.Oncogene 20:411-419(2001).
Levine S.S.,et al.Mol. Cell. Biol. 22:6070-6078(2002).

Images



Western blot analysis of lysates from A549,Hela cell line (from left to right), using CBX8 Antibody (C-term)(Cat. #AW5081). AW5081 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.



Flow cytometric analysis of A549 cells using CBX8 Antibody (C-term)(green, Cat#AW5081) compared to an isotype control of mouse IgG1(blue). AP20600c was diluted at 1:25 dilution. An Alexa Fluor® 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.