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CBX8 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21434c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9HC52
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB51982
Calculated MW	43396

Additional Information

Gene ID	57332
Other Names	Chromobox protein homolog 8, Polycomb 3 homolog, Pc3, hPc3, Rectachrome 1, CBX8, PC3, RC1
Target/Specificity	This CBX8 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 197-230 amino acids from the Central region of human CBX8.
Dilution	WB~~1:8000 IHC-P~~1:100 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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 (Center) 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.

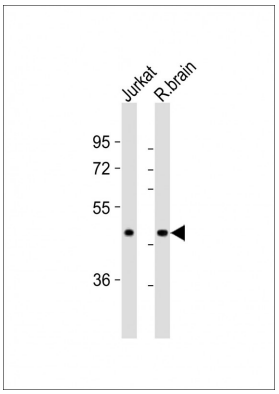
Background

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.

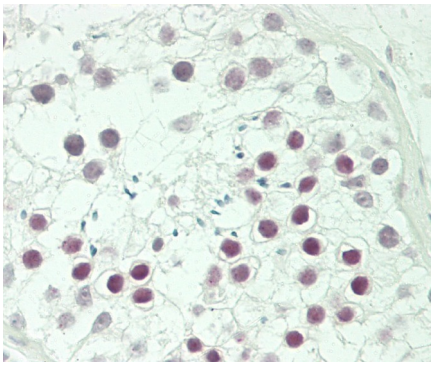
References

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



All lanes : Anti-CBX8 Antibody (Center) at 1:8000 dilution Lane 1: Jurkat whole cell lysates Lane 2: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded H.testis tissue reacted with CBX8 Antibody (Center) (Cat#AP21434c).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.