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CBX8 Rabbit pAb

Catalog # AP99956

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9HC52
Other Accession	Q9HC52
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43396
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Cbx8
Epitope Specificity	51-150/389
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 chromo domain.
SUBUNIT	Component of a PRC1-like complex. Interacts with RING1RNF2, PCGF1, PCGF2, PCGF3, BMI1, PCGF5 AND PCGF6. Interacts withMLLT3 and histone H3. Interacts with PHC2.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Cbx8, also known as Pc3, is a member of the Polycomb gene family and is required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. Cbx8 contains a chromodomain and is able to modify chromatin and histones.

Additional Information

Gene ID	57332
Other Names	PC3; RC1; CBX8_HUMAN; CBX8; Polycomb 3 homolog (Pc3 | hPc3); Rectachrome 1; CBX8_MOUSE; Polycomb 3 homolog (Pc3 | mPc3); chromobox 8; chromobox homolog 8 (Drosophila Pc class); chromobox homolog 8; polycomb 3; Pc class 3 homolog (Drosophila)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

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