Product Datasheet

Anti-CBX5 [RAB-C133] (orb1089957)

Catalog Number	orb1089957
Category	Antibodies
Description	Rabbit polyclonal antibody to CBX5
Target	CBX5
Clonality	Monoclonal
Species/Host	Human
Isotype	Human IgG
Conjugation	Unconjugated
Reactivity	Human
Concentration	1 mg/ml
Buffer/Preservatives	PBS with 0.02% Proclin 300.
Purity	Purified
Immunogen	This antibody was obtained by recombinant antibody (rAb) phage display recognizing CBX5 protein under non-denaturing conditions.
UniProt ID	**P45973**
Tested applications	ChIP, ELISA
Specificity	This antibody recognizes CBX5 (Chromobox protein homolog 5). It binds to a folded domain, amino acids 18-75. CBX5 is a component of heterochromatin that recognizes and binds histone H3 tails methylated at 'Lys-9' (H3K9me), leading to epigenetic repression.

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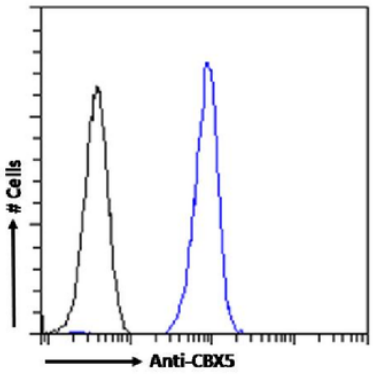
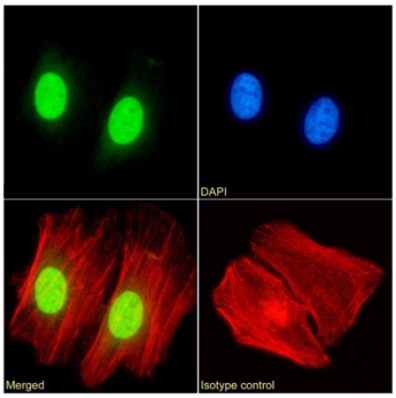
Clone Number	RAB-C133
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometry using the Anti-CBX5 antibody RAB-C133. Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG version of RAB-C133 (orb1089957, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of HeLa cells with anti-CBX5 RAB-C133. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of RAB-C133 (orb1089957) (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1000 dilution), showing nuclear staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb1089957, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256458) followed by staining with Alexa Fluor® 488 secondary antibody.

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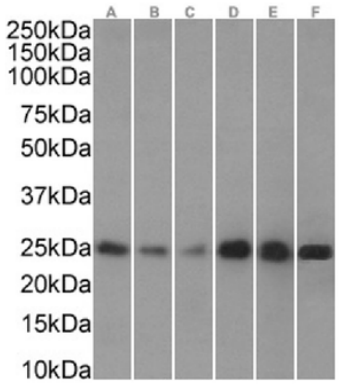

Western Blot using anti-CBX5 antibody RAB-C133. Nuclear lysates of HeLa(A), HEK293(B), A431(C), MCF7(D), Jurkat(E) and K562(F) cells (35 µg protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of RAB-C133 (orb1089957) at 0.003 µg/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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