Product Datasheet

Anti-SETD7 [RAB-C220] (orb1089948)

Catalog Number	orb1089948
Category	Antibodies
Description	Rabbit polyclonal antibody to SETD7
Target	SETD7
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 SETD7 protein under non-denaturing conditions.
UniProt ID	Q8WTS6
Tested applications	ChIP, ELISA, FC, IF, IP

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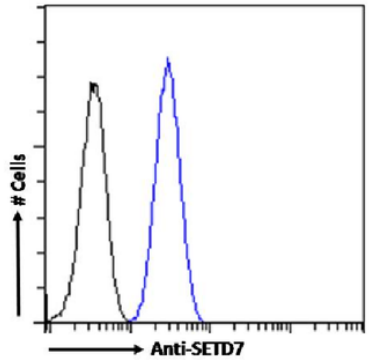
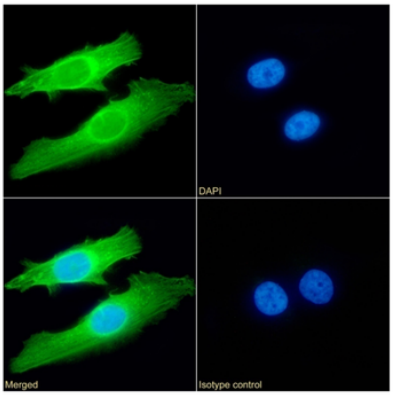
Specificity	This antibody recognizes SETD7 (Histone-lysine N-methyltransferase SETD7). It binds to a folded domain, amino acids 2-366. SETD7 is a histone methyltransferase that specifically monomethylates 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. It plays a central role in the transcriptional activation of genes such as collagenase or insulin.
Clone Number	RAB-C220
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-SETD7 antibody RAB-C220. 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-C220 (orb1089948, 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-SETD7 RAB-C220. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells permeabilized with 0.15% Triton stained with the chimeric rabbit IgG version of RAB-C220 (orb1089948) (1:100 dilution) for 1h followed by Alexa Fluor® 488 secondary antibody (1:1500 dilution), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb1089948, 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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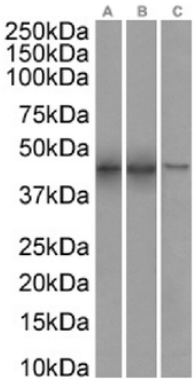

Western Blot using anti-SETD7 antibody RAB-C220. Nuclear lysate of MCF7(A) (0.01 µg/ml), Jurkat(B) (0.1 µg/ml) cells and A549(C) (0.03 µg/ml) cell lysates (35 µg protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of RAB-C220 (orb1089948) before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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