Product Datasheet

H3K27me3 Antibody [BT164], Rabbit IgG (orb1671571)

Description	H3K27me3 Antibody [BT164], Rabbit IgG
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, ICC, IF, IHC, IP, WB
Immunogen	BT164 is a mice-derrived lupus antibody that was established by selection on apoptotic chromatin.
Preservatives	PBS with 0.02% Proclin 300.
Concentration	batch dependent
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
Isotype	IgG kappa
Clonality	Recombinant
Clone Number	BT164
Antibody Type	Primary Antibody
Expiration Date	12 months from date of receipt.

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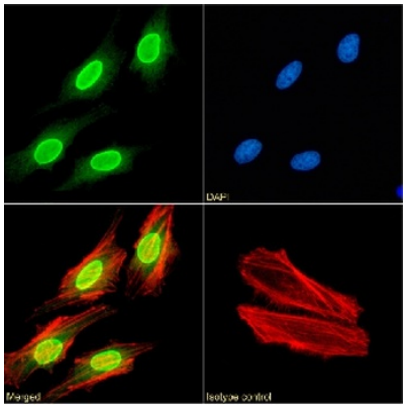
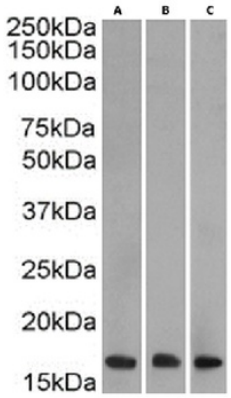
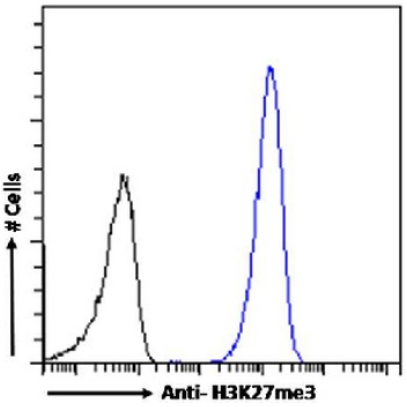


Immunofluorescence staining of fixed HeLa cells with anti-H3K27me3 antibody BT164. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells on Shi-fix™ coverslips stained with the chimeric r version of BT164 (orb1671571) at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue) and the actin stain is phalloidin (red). Panels show from left-right- top-bottom orb1671571- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.



Western Blot using anti-H3K27me3 antibody BT164 (Nuclear lysate of HeLa(A) (0.0003 ug/ml)- Jurkat(B) (0.0003 ug/ml) and K562(C) (0.01 ug/ml) (35 ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rsion of BT164 (orb1671571) before detection using an anti-rondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



Flow cytometry using the anti-H3K27me3 antibody BT164 HeLa cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (3.0; isotype control - black line) or the r1 version of BT164 (orb1671571 - blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

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