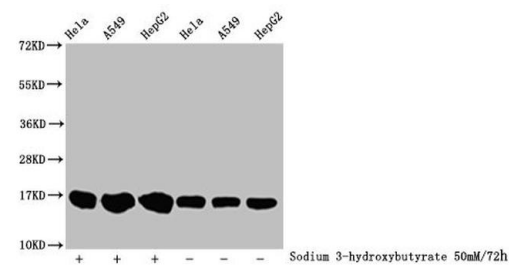


# beta-hydroxybutyryl-Histone H3 (Lys18) Polyclonal Antibody

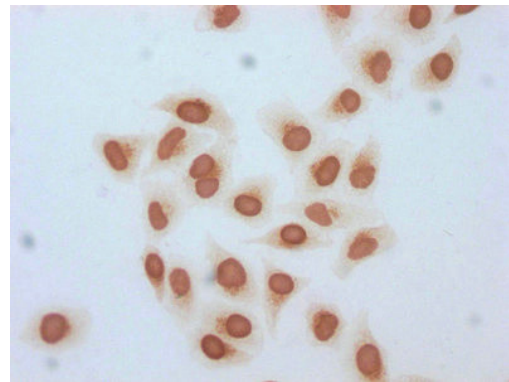
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Peptide sequence around site of beta-hydroxybutyryl-Lys (18) derived from Human Histone H3.1 (11-22aa)
Form	Liquid
Concentration	0.13 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.03% ProClin 300
Storage conditions	-20°C or -80°C if preferred
RRID	AB_2867248

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:20-1:200	-
ELISA (ELISA)	Assay-dependent	-
ChIP assay (ChIP)	Assay-dependent	-

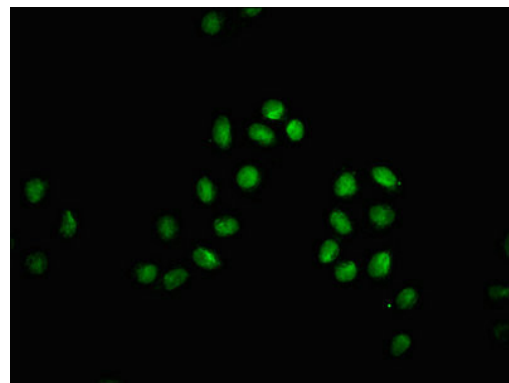
Product Images For beta-hydroxybutyryl-Histone H3 (Lys18) Polyclonal Antibody



**beta-hydroxybutyryl-Histone H3 (Lys18) Antibody (PA5-112513) in WB**  
Western Blot analysis of beta-hydroxybutyryl-Histone H3 (Lys18) in multiple sample types using a beta-hydroxybutyryl-Histone H3 (Lys18) polyclonal antibody (Product # PA5-112513) at a dilution of 1:100. A goat anti rabbit polyclonal secondary antibody was used at a dilution of 1:50,000. Sample types that were tested include: HeLa whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate; Untreated (-) or treated (+) with 50mM sodium 3-hydroxybutyrate for 72h .



**beta-hydroxybutyryl-Histone H3 (Lys18) Antibody (PA5-112513) in ICC/IF**  
Immunocytochemical analysis of beta-hydroxybutyryl-Histone H3 (Lys18) in HeLa cells using a Polyclonal antibody (Product # PA5-112513) at a dilution of 1:50. HeLa cells (treated with 50mM sodium 3-hydroxybutyrate for 4h) performed on a Leica Bond™ system. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**beta-hydroxybutyryl-Histone H3 (Lys18) Antibody (PA5-112513) in ICC/IF**  
Immunocytochemical analysis of beta-hydroxybutyryl-Histone H3 (Lys18) in HeLa cells using a Polyclonal antibody (Product # PA5-112513) at a dilution of 1:25. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L). Cells were also counter-stained with DAPI.

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