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Rabbit Anti-Butyryl-Histone H2B (Lys20)antibody

SL60169R

Product Name	Butyryl-Histone H2B (Lys20)
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat
Applications	WB=1:500-2000,ICC/IF=1:100-500,IHC-P=1:200-1000,IHC-F=1:200-1000,IF=1:200-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Cellular localization	The nucleus
Form	Liquid
Concentration	1mg/ml
Lsotype	IgG
Purification	Antigen affinity purification
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Histones undergo various enzyme-catalyzed modifications, including acetylation, methylation, phosphorylation, ubiquitination, etc. Lysine butyrylation is a newly discovered reversible modification that controls chromosome structure and gene transcription. Lysine butyrylation is highly conserved in eukaryotic cells from worms to humans. The unique structure and genomic localization of histone lysine butyrylation indicate that it is mechanistically and functionally different from histone lysine acetylation. Specifically, in the genomes of human somatic cells and rabbit male germ cells, histone butyrylation marks active promoters or potential enhancers. The butyrylation of histone H3 at the Lys18 site may play an important role in epigenetic regulation, including chromatin remodeling and DNA transcription regulation.