产品名称：Crotonyl-Histone H2B (Lys12) Rabbit Monoclonal Antibody
产品货号：AMRe03903

产品概述（Summary）

产品名称（Production Name）	Crotonyl-Histone H2B (Lys12) Rabbit Monoclonal Antibody
描述（Description）	Recombinant rabbit monoclonal antibody
宿主（Host）	Rabbit
应用（Application）	WB,IHC,ICC/IF
种属反应性（Reactivity）	Human, Mouse, Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Crotonylated
同种型（Isotype）	IgG
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
纯化方式（Purification）	Affinity Purification

免疫原信息（Immunogen）

基因名（Gene Name）	H2BC4
别名（Alternative Names）	H2BK11cr, Histone H2B.1 A ; Histone H2B.a (H2B/a) ; Histone H2B.g (H2B/g) ; Histone H2B.h (H2B/h) ; Histone H2B.k (H2B/k) ; Histone H2B.l (H2B/l)
基因 ID（Gene ID）	3018
蛋白 ID（SwissProt ID）	P33778.

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
蛋白分子量（Molecular Weight）	Calculated MW:14 kDa;Observed MW: 14 kDa

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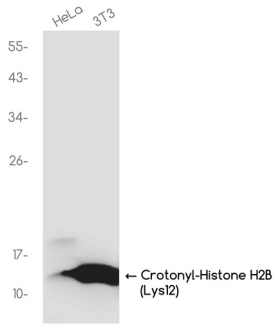
研究背景（Background）

Histones are subject to a variety of enzyme catalyzed modifications, including acetylation, methylation, phosphorylation, ubiquitylation, etc. Crotonylation of lysine is a newly identified reversible modification controlling chromosome structure and gene transcription. The reversible lysine crotonylation has been well demonstrated in eukaryotic histones from worm to human. The unique structure and genomic localization of histone lysine crotonylation suggest that it is mechanistically and functionally different from histone lysine acetylation. Specifically, in both human somatic and mouse male germ cell genomes, histone crotonylation marks either active promoters or potential enhancers. Crotonylation of histone H2B at Lys11 may play a vital role in the epigenetic modulation, including chromatin remodeling and DNA transcriptional regulation.

研究领域（Research Area）

Epigenetics and Nuclear Signaling

图片（Image Data）



Western blot analysis of Crotonyl-Histone H2B (Lys12) in HeLa, 3T3 lysates using Crotonyl-Histone H2B (Lys12) antibody.

注意事项（Note）

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