产品名称：macroH2A.1（2T18) Rabbit Monoclonal Antibody
产品货号：AMRe13549

产品概述（Summary）

产品名称（Production Name）	macroH2A.1（2T18) 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）	Unmodified
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）	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	MACROH2A1
别名（Alternative Names）	H2A.y; H2A/y; H2AF12M; H2AFJ; H2afy; Histone H2A.Y; Histone macroH2A1; Histone macroH2A1.1; Histone macroH2A1.2; mH2a;mH2A1;
基因 ID（Gene ID）	9555.0
蛋白 ID（SwissProt ID）	O75367.A synthetic peptide of human macroH2A.1

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:2000-1:10000,IHC 1:20-1:50,ICC/IF 1:20-1:50
蛋白分子量（Molecular Weight）	40kDa

研究背景（Background）

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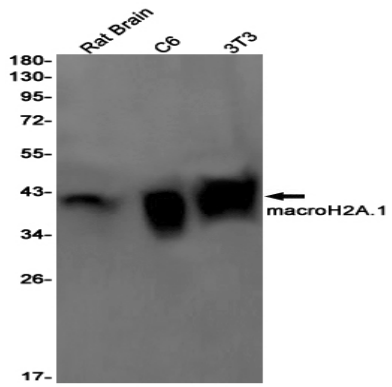
Involved in stable X chromosome inactivation. Inhibits the binding of transcription factors and interferes with the activity of remodeling SWI/SNF complexes. Inhibits histone acetylation by EP300 and recruits class I HDACs, which induces an hypoacetylated state of chromatin. Variant histone H2A which replaces conventional H2A in a subset of nucleosomes where it represses transcription (PubMed:12718888, PubMed:15621527, PubMed:16428466). Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Involved in stable X chromosome inactivation (PubMed:15897469). Inhibits the binding of transcription factors, including NF-kappa-B, and interferes with the activity of remodeling SWI/SNF complexes (PubMed:12718888, PubMed:16428466). Inhibits histone acetylation by EP300 and recruits class I HDACs, which induces a hypoacetylated state of chromatin (PubMed:16428466, PubMed:16107708).

研究领域（Research Area）

Epigenetics and Nuclear Signaling

图片（Image Data）



Western blot detection of macroH2A.1 in Rat Brain,C6,3T3 cell lysates using macroH2A.1 antibody(1:1000 diluted).

注意事项（Note）

For research use only .