Pan DiMethyl-lysine Rabbit pAb

货号: AYP13482

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	**WB:** Homo sapiens
应用	WB IHC IF/ICC IP
推荐浓度	**WB:** 1:100 - 1:500 **IHC:** 1:50 - 1:100 **IF/ICC:** 1:50 - 1:100 **IP:** 1:50 - 1:100
理论分子量	
实测分子量	15-60KDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa acid extract,C6 acid extract,H3 protein
细胞定位	
纯化	Affinity purification

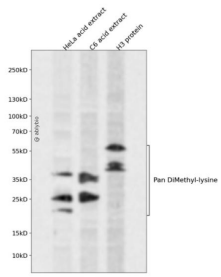
抗原信息

抗原信息	A synthetic peptide corresponding to a sequence containing dimethylated K.
序列	

靶点信息

研究背景	Methylation is a major post-translational modification (PTM) generated by methyltransferase on target proteins, protein methylation plays important regulatory roles in gene expression, protein activity and stability, and signal transduction. Methylation can occur on specific lysine or arginine residues localized within regulatory domains in both histone and nonhistone proteins, thereby allowing distinguished properties of the targeted protein. Lysine can be methylated to different degrees, including mono-, di-, or trimethylation, which reflects its functional diversity and regulatory complexity compared to other PTMs. Lys9 of histone H3 is mono- or di-methylated by G9A/GLP and tri-methylated by SETDB1 to activate transcription. Tumor suppressor p53 is regulated by methylation of at least four sites. p53-mediated transcription is repressed following mono-methylation of p53 at Lys370 by SMYD2; Di-methylation at the same residue further inhibits p53 by preventing association with 53BP1. Concomitant di-methylation at Lys382 inhibits p53 ubiquitination following DNA damage. Di-methylation at Lys373 by G9A/GLP inhibits p53-mediated apoptosis and correlates with tri-methylation of histone H3 Lys9 at the p21 promoter.
基因**ID**	
基因名	
Swiss	
别名	

产品验证



Western blot analysis of Pan DiMethyl-lysine expressed in HeLa acid extract,C6 acid extract,H3 protein using Pan DiMethyl-lysine Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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