

Pan DiMethyl-lysine Rabbit pAb

货号: B13482

产品信息

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| 反应 | Human,Mouse,Rat,Other (Wide Range) |
| 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°C. 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 |

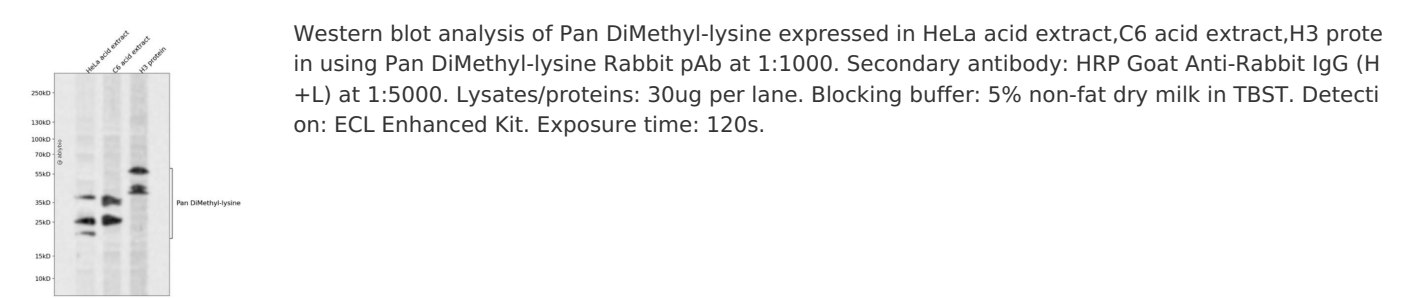
抗原信息

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

靶点信息

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|-------|---|
| 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



实验步骤

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