

Pan-Crotonyl-K Rabbit pAb

货号: AYP22879

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	WB: 1:500 - 1:1000
理论分子量	
实测分子量	10-250KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,NIH/3T3,Mouse brain,Mouse testis,Rat brain,Rat testis
细胞定位	
纯化	Affinity purification

抗原信息

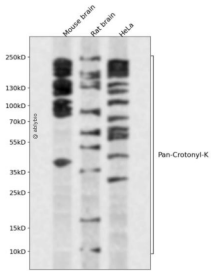
抗原信息	A synthetic peptide corresponding to a sequence containing acetylated K.
序列	

靶点信息

研究背景	Lysine crotonylation (Kcr) was first discovered about 10 years ago, as a PTM of histone. It was revealed that Kcr is an evolutionarily conserved and common PTM that occurs in both core histone and some non-histone proteins in a variety of organisms. Similar to other types of PTM, Kcr is a reversible modification. The classic histone acetyltransferases (HATs), p300/CBP, PCAF, and MOF, are responsible for most crotonylation events, while the histone deacetylases (HDACs) HDAC1/2/3 and SIRT1/2/3 reverse these reactions. The chromodomain protein CDYL acts as a crotonyl-CoA hydratase to negatively regulate histone Kcr by reducing substrate supply. CDYL-regulated Kcr of RPA1 plays an important role in homologous recombination (HR)-mediated DNA repair (23), while HDAC-regulated histone crotonylation is reduced after DNA damage.
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基因ID	
基因名	
Swiss	
别名	

产品验证



Western blot analysis of Pan-Crotonyl-K expressed in Mouse brain,Rat brain,HeLa using Pan-Crotonyl-K 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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