

5hmC羟甲基胞嘧啶抗体与检测试剂盒

产品名称	5hmC羟甲基胞嘧啶抗体与检测试剂盒
公司名称	武汉艾美捷科技有限责任公司
价格	面议
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产品详情

5-羟甲基胞嘧啶(5hmc)最早于1952年在噬菌体dna中被发现,它被糖基转移酶介导糖基化修饰,从而使噬菌体基因组在进入宿主后能抵抗宿主限制酶的降解。1972年penn等在哺乳动物大鼠、小鼠以及卵生动物牛蛙脑组织提取的dna中

????????????, ??dna?????15% ??????????????????????2009
??tahiliani?kriaucionis?????????????science??????5hmc ??????????????????????,
?????????????????????????????????????5hmc??5mc???"?5 ????"???"?6 ????"?
5- ??????(5hmc) ??????????????????????????????????????5hmc ?10-11 ???tet) ??????????5-
?????(5mc) ??????5hmc ??????????????????????????????????5hmc ??????mecp ??????????????(mbd)
?????dna ??dna
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?????????????????????????????????????epigentek??5- ??????(5hmc)?????????????tet1????????????????????????????
?????????????????dna?????????hydroxymethylated dna quantification
kit?????????dna?????????hydroxymethylated dna immunoprecipitation (hmedip) kit??tet??5mc ???
5hmc?????????????????????tet1?????????????????????????hmc/4d9?5hmc??chip?????????????????chip?inc?if
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hydroxymethylated dna quantification kit (colorimetric)	epigentek	
hydroxymethylated dna quantification kit (fluorometric)	epigentek	
hydroxymethylated dna immunoprecipitation (hmedip) kit	epigentek	
5mc-hydroxylase tet activity/inhibition assay kit (colorimetric)	epigentek	
5mc-hydroxylase tet activity/inhibition assay kit (fluorometric)	epigentek	
tet1 protein (active)	epigentek	
5-hydroxymethylcytosine (5-hmc) mab [hmc/4d9]	epigentek	

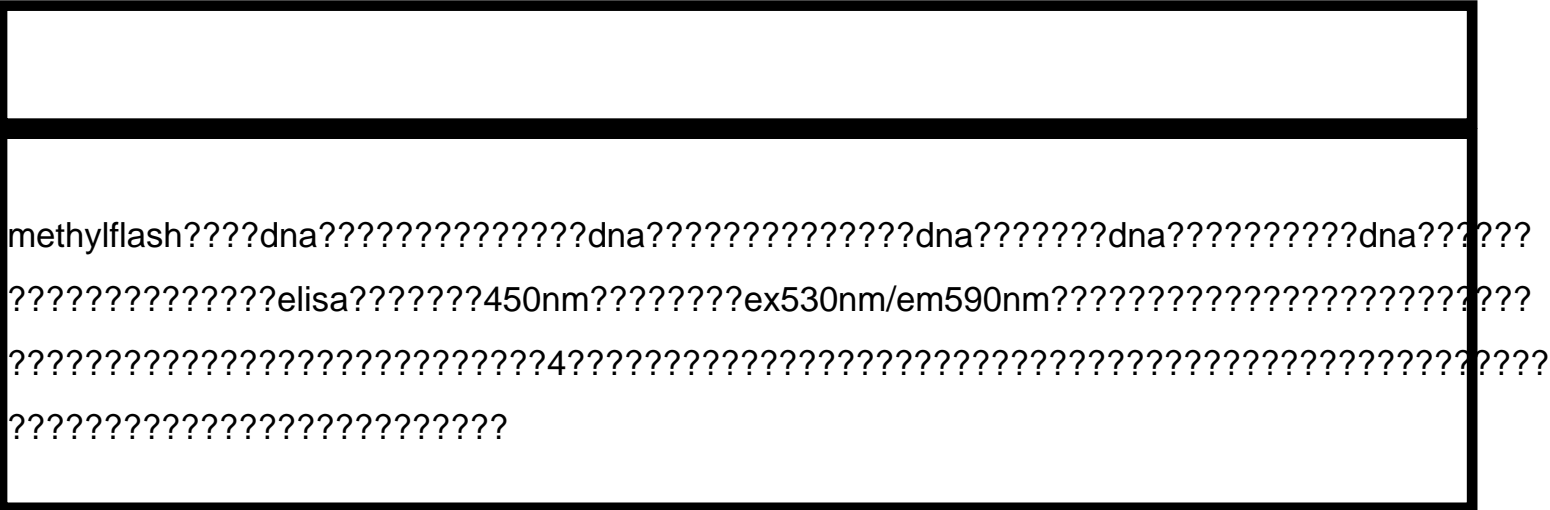


fig. 1. dot blot analysis of a-1018 with dna oligos containing cytosine (c), 5-methylcytosine (5mc), or 5-hydroxymethylcytosine (5hmc). specific signal was only observed with 5-hmc dna

fig. 2. activity of recombinant tet1 protein was measured with the epigenase 5mc-hydroxylase tet activity/inhibition assay kit (fluorometric).

oligos.

5-hmc????????????????????chip?5hmc????????????chip?ihc?if????????????????????tet1????
????sf9????????????????????tet1????????5mc-hydroxylase tet activity/inhibition assay
kit????????????????tet1????????tet1????????????????

epigentek??400????????????????????????????????
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