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TET3 Rabbit pAb

货号: AYP22679

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	194kDa
实测分子量	230KDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	293T
细胞定位	cytoplasm,female pronucleus,male pronucleus,nucleoplasm,nucleus
纯化	Affinity purification

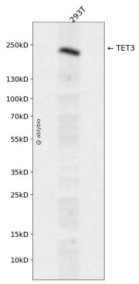
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-285 of mouse TET3 (Q 8BG87).

靶点信息

研究背景	Dioxygenase that catalyzes the conversion of the modified genomic base 5-methylcytosine (5mC into 5-hydroxymethylcytosine (5hmC and plays a key role in epigenetic chromatin reprogramming in the zygote following fertilization. Also mediates subsequent conversion of 5hmC into 5-formylcytosine (5fC, and conversion of 5fC to 5-carboxylcytosine (5caC. Conversion of 5mC into 5hmC, 5fC and 5caC probably constitutes the first step in cytosine demethylation. Selectively binds to the promoter region of target genes and contributes to regulate the expression of numerous developmental genes. In zygotes, DNA demethylation occurs selectively in the paternal pronucleus before the first cell division, while the adjacent maternal pronucleus and certain paternally-imprinted loci are protected from this process. Participates in DNA demethylation in the paternal pronucleus by mediating conversion of 5mC into 5hmC, 5fC and 5caC. Does not mediate DNA demethylation of maternal pronucleus because of the presence of DPPA3/PGC7 on maternal chromatin that prevents TET3-binding to chromatin. In addition to its role in DNA demethylation, also involved in the recruitment of the O-GlcNAc transferase OGT to CpG-rich transcription start sites of active genes, thereby promoting histone H2B GlcNAcylation by OGT. Binds preferentially to DNA containing cytidine-phosphate-guanosine (CpG dinucleotides over CpH (H=A, T, and C, hemimethylated-CpG and hemimethylated-hydroxymethyl-CpG (By similarity.
基因ID	194388
基因名	Tet3
Swiss	Q8BG87 (https://www.uniprot.org/uniprotkb/Q8BG87/entry)
别名	BC037432,B430006D22Rik,D230004J03Rik,TET3 Rabbit pAb,Tet3,Cxxc10

产品验证



Western blot analysis of TET3 expressed in 293T using TET3 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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