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METTL4 Rabbit pAb

货号: **AYP15816**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC IF/ICC
推荐浓度	WB: 1:1000 - 1:2000 IHC: 1:50 - 1:200 IF/ICC: 1:50 - 1:200
理论分子量	54kDa
实测分子量	54kDa
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	A-549,293T,HeLa,MCF7,Mouse brain,Rat brain
细胞定位	cytosol,mitochondrial matrix,nucleus
纯化	Affinity purification

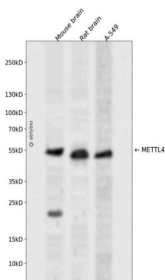
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-190 of human METTL4 (NP_073751.3).
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靶点信息

研究背景	N(6-adenine-specific methyltransferase that can methylate both RNAs and DNA. Acts as a N(6-adenine-specific RNA methyltransferase by catalyzing formation of N6,2'-O-dimethyladenosine (m6A(m on internal positions of U2 small nuclear RNA (snRNA: methylates the 6th position of adenine residues with a pre-deposited 2'-O-methylation. Internal m6A(m methylation of snRNAs regulates RNA splicing. Also able to act as a N(6-adenine-specific DNA methyltransferase by mediating methylation of DNA on the 6th position of adenine (N(6-methyladenosine. The existence of N(6-methyladenosine (m6A on DNA is however unclear in mammals, and additional evidences are required to confirm the role of the N(6-adenine-specific DNA methyltransferase activity of METTL4 in vivo. Acts as a regulator of mitochondrial transcript levels and mitochondrial DNA (mtDNA copy number by mediating mtDNA N(6-methylation: m6A on mtDNA reduces transcription by repressing TFAM DNA-binding and bending. N(6-methyladenosine deposition by METTL4 regulates Polycomb silencing by triggering ubiquitination and degradation of sensor proteins ASXL1 and MPND, leading to inactivation of the PR-DUB complex and subsequent preservation of Polycomb silencing (By similarity).
基因ID	64863
基因名	METTL4
Swiss	Q8N3J2 (https://www.uniprot.org/uniprotkb/Q8N3J2/entry)
别名	METTL4,HsT661,METTL4 Rabbit pAb,Methyltransferase-like protein 4,N(6)-adenine-specific DNA methyltransferase METTL4,snRNA (2'-O-methyladenosine-N(6)-)-methyltransferase METTL4

产品验证



Western blot analysis of METTL4 expressed in Mouse brain,Rat brain,A-549 using METTL4 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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