

# METTL4 Rabbit pAb

货号: B15816

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	<b>WB:</b> 1:1000 - 1:2000 <b>IHC:</b> 1:50 - 1:200 <b>IF/ICC:</b> 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

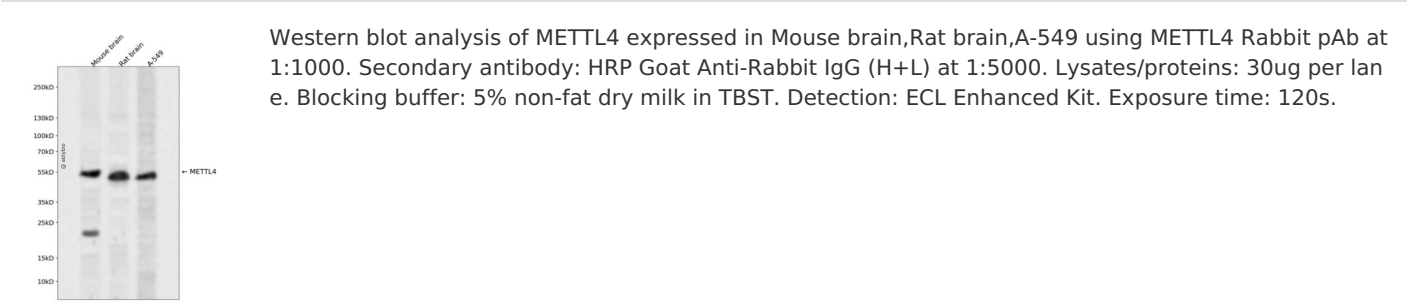
抗原信息

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

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
别名	METTL4;HsT661

产品验证



实验步骤

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