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YTHDC1 Rabbit mAb

货号: AYT1170

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	**WB:** Homo sapiens
应用	WB, IHC, ICC/IF
推荐浓度	**WB:** 1:1000 - 1:5000 **IF/ICC:** 1:100-1:500 **IHC 1:100-1:500:**
理论分子量	82kDa/84kDa
实测分子量	110KDa
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	HeLa,HCT116,293F,RAW264.7,C6,Rat brain
细胞定位	Nucleus
纯化	Affinity purification

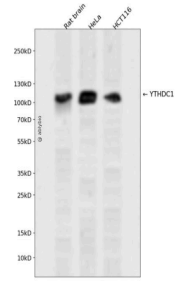
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-74 of human YTHDC1 (NP_001026902.1).

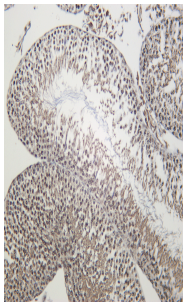
靶点信息

研究背景	Regulator of alternative splicing that specifically recognizes and binds N6-methyladenosine (m6A-containing RNAs. M6A is a modification present at internal sites of mRNAs and some non-coding RNAs and plays a role in the efficiency of mRNA splicing, processing and stability. Acts as a key regulator of exon-inclusion or exon-skipping during alternative splicing via interaction with mRNA splicing factors SRSF3 and SRSF10. Specifically binds m6A-containing mRNAs and promotes recruitment of SRSF3 to its mRNA-binding elements adjacent to m6A sites, leading to exon-inclusion during alternative splicing. In contrast, interaction with SRSF3 prevents interaction with SRSF10, a splicing factor that promotes exon skipping: this prevents SRSF10 from binding to its mRNA-binding sites close to m6A-containing regions, leading to inhibit exon skipping during alternative splicing.
基因ID	91746
基因名	YTHDC1
Swiss	Q96MU7 (https://www.uniprot.org/uniprotkb/Q96MU7/entry)
别名	YTHDC1,YT521,YT521-B,YTHDC1 Rabbit pAb,Splicing factor YT521,KIAA1966

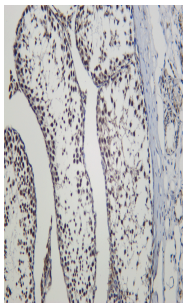
产品验证



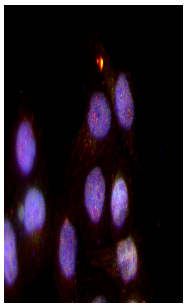
Western blot analysis of YTHDC1 expressed in Rat brain,HeLa,HCT116 using YTHDC1 Rabbit at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.



Rat testis was stained with anti-YTHDC1 (PT1914R) Rabbit antibody,1:200



Mouse testis was stained with anti-YTHDC1 (PT1914R) Rabbit antibody,1:200



The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab YTHDC1 (1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat.The nuclear counter stain is DAPI.

实验步骤

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