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YTHDC1 (YD35320) Rabbit mAb

货号: AYD16550

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB, IHC, ICC/IF, FC
推荐浓度	**WB: 1:1000－1：3000:** **IHC-P: 1:100-1:500:** **ICC/IF: 1:50－1：300:** **FC: 1:200-1:500:**
理论分子量	85kDa
实测分子量	85KD－110 kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,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, Nucleus speckle
纯化	亲和纯化

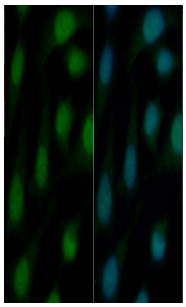
抗原信息

抗原信息	

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 (YD35320),YTHDC1 (YD35320) Rabbit mAb,YTHDC1,Splicing factor YT521,KIAA1966

产品验证



Immunofluorescence analysis of HeLa cells labelling YTHDC1 with The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with YTHDC1 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 . Nuclear DNA was labeled in blue with DAPI.

实验步骤

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