NOVA1 (18R10) Rabbit Monoclonal Antibody

Catalog# HZ-YMA01719

Product information

产品货号	HZ-YMA01719
别名	Neuro-oncological ventral antigen 1;Onconeural ventral antigen 1;Paraneoplastic Ri antigen;Ventral neuron-specific protein 1
产品名称	NOVA1 (18R10) Rabbit Monoclonal Antibody
类别	抗体产品
基因名称	NOVA1
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC,ELISA
反应种属	Human,Mouse,Rat
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	4857
Human Swissprot No.	P51513
稀释度	IHC-P 1:200-1:1000;WB 1:2000-1:1000;IF-P/IF-F/IF-ICC 1:200-1:1000;ELISA 1:5000-1:20000
参考分子量	58kDa
预测分子量	52kDa
运输及保存条件	Biological ice bag transportation. Store at -20°C for at least 12 months(Do not lower than -25°C). Avoid freeze/thaw cycles
宿主	Rabbit
同种型	IgG,Kappa
背景介绍	Functions to regulate alternative splicing in neurons by binding pre-mRNA in a sequence-specific manner to activate exon inclusion or exclusion. It binds specifically to the sequences 5'-YCAY-3' and regulates splicing in only a subset of regulated exons (PubMed : 10811881) . Binding to an exonic 5'-YCAY-3' cluster changes the protein complexes assembled on pre-mRNA , blocking U1 snRNP binding and exon inclusion , whereas binding to an intronic 5'-YCAY-3' cluster enhances spliceosome assembly and exon inclusion. Binding to 5'-YCAY-3' clusters results in a local and asymmetric action to regulate spliceosome assembly and alternative splicing in neurons. Binding to an exonic 5'-YCAY-3' cluster changed the protein complexes assembled on pre-mRNA , blocking U1 snRNP (small nuclear ribonucleoprotein) binding and exon inclusion , whereas binding to an intronic 5'-YCAY-3' cluster enhanced spliceosome assembly and exon inclusion. With NOVA1 , they perform unique biological functions in different brain areas and cell types. Autoregulates its own expression by acting as a splicing repressor. Acts to activate the inclusion of exon E3A in the glycine receptor alpha-2 chain and of exon E9 in gamma-aminobutyric-acid receptor gamma-2 subunit via a distal downstream UCAU-rich intronic splicing enhancer. Acts to regulate a novel glycine receptor alpha-2 chain splice variant (alpha-2N) in developing spinal cord (By similarity) .
细胞定位	Nucleus .
纯化	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Clonality	Monoclonal