



PRODUCT DATA SHEET

Bioworld Technology, Inc.

NOVA2 polyclonal antibody

Catalog: BS35682

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

RNA-binding protein Nova-2: 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. 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. With NOVA1, they perform unique biological functions in different brain areas and cell types. Uniquely regulates alternative splicing events of a series of axon guidance related genes during cortical development, being essential for central nervous system development by regulating neural networks wiring. Regulates differentially alternative splicing on the same transcripts expressed in different ne...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~49.0 kDa

Swiss-Prot:

Q9UNW9

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of NOVA2 protein

DATA:

Western blot analysis of MYOD1 expression in HEK293T (A), Panc1 (B), mouse brain (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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