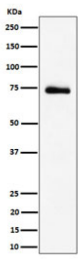
RAVER2 Antibody / Ribonucleoprotein PTB-binding 2 [clone 29R51] (RQ8867)

Catalog No.	Formulation	Size
RQ8867	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-2 days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	29R51
Purity	Affinity chromatography
UniProt	Q9HCJ3
Applications	Western blot: 1:500-1:2000
Limitations	This RAVER2 antibody is available for research use only.



Western blot testing of human 293T cell lysate with RAVER2 antibody. Predicted molecular weight ~74 kDa.

Description

RAVER2 is known to bind to polypyrimidine tracts in target RNAs, facilitating the recruitment of other hnRNP proteins and RNA-binding factors. This interaction enables RAVER2 to influence alternative splicing, mRNA stability, and translation efficiency of target transcripts. By modulating these processes, RAVER2 plays a crucial role in shaping the transcriptome and proteome of cells. Moreover, studies have shown that RAVER2 is involved in the regulation of key signaling pathways, such as the PI3K/Akt/mTOR pathway and the Wnt/ÃŽÂ²-catenin pathway. Dysregulation of RAVER2

expression has been linked to various diseases, including cancer, neurodevelopmental disorders, and autoimmune conditions. Recent research has shed light on the crosstalk between RAVER2 and other RNA-binding proteins, such as PTB (polypyrimidine tract-binding protein) and hnRNP A1. These interactions form intricate regulatory networks that coordinate gene expression in response to cellular cues.

Application Notes

Optimal dilution of the RAVER2 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human RAVER2 protein was used as the immunogen for the RAVER2 antibody.

Storage

Store the RAVER2 antibody at -20oC.

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