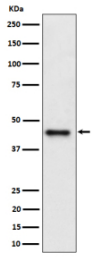
DAZAP1 Antibody / DAZ associated protein 1 [clone 29D87] (FY13105)

Catalog No.	Formulation	Size
FY13105	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA	100 ul

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Human, Mouse, Rat
Format	Liquid
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	29D87
Purity	Affinity chromatography
Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
UniProt	Q96EP5
Applications	Western Blot : 1:500-1:2000
Limitations	This DAZAP1 antibody is available for research use only.



Western blot analysis of DAZAP1 expression in human Jurkat cell lysate using DAZAP1 antibody. Predicted molecular weight ~43 kDa.

Description

DAZAP1 antibody detects DAZ associated protein 1, encoded by the DAZAP1 gene. This protein is an RNA binding factor involved in mRNA processing, alternative splicing, and germ cell development. DAZAP1 antibody provides researchers with a tool to explore reproductive biology, RNA metabolism, and gene regulation. Originally identified as a

binding partner of Deleted in Azoospermia (DAZ), DAZAP1 is important in spermatogenesis and fertility.

DAZ associated protein 1 contains RNA recognition motifs that allow it to bind specific transcripts and influence splicing. Research using DAZAP1 antibody has demonstrated that it regulates pre-mRNA splicing of genes required for germ cell maturation. Its role in testis development makes it critical for fertility, and disruption of DAZAP1 function can impair spermatogenesis. Beyond reproduction, DAZAP1 is expressed in somatic tissues where it contributes to general RNA regulation.

DAZAP1 interacts with a variety of splicing factors and RNA processing proteins. Studies with DAZAP1 antibody have shown that it modulates exon inclusion or exclusion in target transcripts, thereby shaping tissue-specific gene expression. Alterations in DAZAP1 expression influence cell differentiation and development, suggesting a broader biological impact beyond germline function.

In disease contexts, DAZAP1 has been linked to cancer and developmental abnormalities. Research with DAZAP1 antibody has revealed that altered expression affects cell cycle regulation and apoptosis. Its misregulation in tumors suggests a potential role in oncogenesis, possibly through changes in RNA splicing that promote malignant phenotypes. These findings highlight DAZAP1 as both a fertility factor and a regulator of cell fate.

DAZAP1 antibody is widely applied in western blotting, immunohistochemistry, and immunofluorescence. Western blotting confirms protein size and isoforms, immunohistochemistry demonstrates expression in testis and other tissues, and immunofluorescence shows nuclear localization with splicing speckles. These methods make DAZAP1 antibody versatile in RNA biology research.

By providing validated DAZAP1 antibody reagents, NSJ Bioreagents supports research into RNA processing, reproduction, and cancer biology. Detection of DAZ associated protein 1 enables researchers to examine how RNA binding proteins regulate fertility and somatic cell function.

Application Notes

Optimal dilution of the DAZAP1 antibody should be determined by the researcher.

Immunogen

A synthesized peptide derived from human DAZAP1 was used as the immunogen for the DAZAP1 antibody.

Storage

Store the DAZAP1 antibody at -20oC.