

Anti-TXNL4B Antibody (5F871)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	5F871
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Dim2 / TXNL4B protein (TMPY-02723)
Antigen Species:	Human
Synonyms:	Dim2;thioredoxin-like 4B;DLP

Research Background

Dim2, also known as TXNL4B, is a member of the DIM1 family. The Dim protein family is composed of two classes, Dim1 and Dim2, which share a common thioredoxin-like fold. They were originally identified for their role in cell cycle progression and have been found to interact with Prp6, an essential component of the spliceosome, which forms the bridge of U4/U6.U5-tri-snRNP. Despite their biological and structural similarities, Dim1 and Dim2 proteins differ in many aspects. Dim1 bears distinctive structural motifs responsible for its interaction with other spliceosome components. Dim2 forms homodimers and contains specific domains required for its interactions with partners. This originality suggests that although both proteins are involved in pre-mRNA splicing, they are likely to be involved in different biological pathways. Dim2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 185 amino acids and having a molecular mass of 21.1kDa. It is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dim2 has a vital role in pro-mRNA splicing. Dim2 is required in cell cycle progression for S/G2 transition and interacts with PRPF6 subunit of the spliceosome.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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