TXNL4A Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TXNL4A, Monoclonal Antibody
Full Product Name	TXNL4A (Thioredoxin-like Protein 4A, TXNL4, DIB1, DIM1 Protein Homolog, DIM1, Spliceosomal U5 snRNP-specific 15kD Protein, Thioredoxin-like U5
Product Gene Name	anti-TXNL4A antibody
Product Synonym Names	HsT161; U5-15kD
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1C4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TXNL4A.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing t
Molecular Weight	16,786 Da
Immunogen	Full length recombinant corresponding to aa1-142 from human TXNL4A (AAH01046) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSYMLPHLHNGWQVDQAILSEEDRVVVIRFGHDWDPTCMKMDEVLYSIAEKVKNFAVIYLVDITEVPDFNKMYELYDPCTVMFFFRNKHIMIDLGTGNNNI
Conjugate	MaxLight650
Product Categories/Family for anti-TXNL4A antibody	Antibodies; Thioredoxin
Applications Tested/Suitable for anti-TXNL4A antibody	FLISA, Western Blot (WB)
Application Notes for anti-TXNL4A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TXNL4A antibody	MaxLight650 is a new Far-IR stable dye conjugate comparable to Alexa Fluor647, DyLight649, Cy5 and offers better labeling efficiency, brighter imagin Emission (676nm); Extinction Coefficient 250,000.

Other Notes	Small volumes of anti-TXNL4A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TXNL4A purchase	MBS6225286 is an antibody targeting TXNL4A. Also known as TXNL4A (Thioredoxin-like Protein 4A, TXNL4, DIB1, DIM1 Protein Homolog, DIM1, Spli U5 snRNP Protein U5-15kD) (MaxLight 650). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TXNL4A. It may not necessarily be applicable to this product.

NCBI GI #	33875918
NCBI GeneID	10907
NCBI Accession #	BC001046
NCBI Related Accession #	AAH01046
UniProt Secondary Accession #	O14834; B2RC18
UniProt Related Accession #	P83876
NCBI Official Full Name	Homo sapiens thioredoxin-like 4A, mRNA
NCBI Official Synonym Full Names	thioredoxin like 4A
NCBI Official Symbol	TXNL4A
NCBI Official Synonym Symbols	BMKS; DIB1; DIM1; TXNL4; SNRNP15; U5-15kD
Protein Family	Thioredoxin-like protein
NCBI Protein Information	thioredoxin-like protein 4A
NCBI Summary for TXNL4A	The protein encoded by this gene is a member of the U5 small ribonucleoprotein particle (snRNP), and is involved in pre-mRNA splicing. This protein contains a thioredoxin-like fold and it is expected to interact with multiple proteins. Protein-protein interactions have been observed with the polyglutamine tract-binding protein 1 (PQBP1). Mutations in both the coding region and promoter region of this gene have been associated with Burn-McKeown syndrome, which is a rare disorder characterized by craniofacial dysmorphisms, cardiac defects, hearing loss, and bilateral choanal atresia. A pseudogene of this gene is found on chromosome 2. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]
Research Articles on TXNL4A	**1.** Reporter gene and in vivo assays showed that the promoter deletions led to reduced expression of TXNL4A. Depletion of TXNL4A (Dib1) in yeast demonstrated reduced assembly of the tri-snRNP complex.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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