TSN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TSN, Polyclonal Antibody
Full Product Name	TSN, ID (TSN, Translin, Component 3 of promoter of RISC) (MaxLight 750)
Product Gene Name	anti-TSN antibody
Product Synonym Names	TSN; Translin; Component 3 of promoter of RISC
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	17,279 Da
OMIM	600575
3D Structure	ModBase 3D Structure for Q15631
Immunogen	TSN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 116-146 amino acids from the Central region of human TSN.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-TSN antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-TSN antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-TSN antibody	IHC: 1:10-50 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-TSN antibody	This gene encodes a DNA-binding protein which specifically recognizes conserved target sequences at the breakpoint junction of chromosomal translocations. Translin polypeptides form a multimeric structure that is responsible for its DNA-binding activity. Recombination-associated motifs and translin-binding sites are present at recombination hotspots and may serve as indicators of breakpoints in genes which are fused by translocations. These binding activities may play a crucial role in chromosomal translocation in lymphoid neoplasms.
Product References and Citations for anti-TSN antibody	Chiaruttini, C., et al. Proc. Natl. Acad. Sci. U.S.A. 106(38):16481-16486(2009). Lasky-Su, J., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (8), 1345-1354 (2008): Sengupta, K., et al. Biochemistry 45(3):861-870(2006). Kaluzhny, D., et al. J. Biomol. Struct. Dyn. 23(3):257-265(2005). Gupta, G.D., et al. FEBS Lett. 579(14):3141-3146(2005).

Other Notes	Small volumes of anti-TSN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to 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 TSN purchase	MBS6359527 is an antibody targeting TSN. Also known as TSN, ID (TSN, Translin, Component 3 of promoter of RISC) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	4759270
NCBI GeneID	7247
NCBI Accession #	NP_004613.1
UniProt Primary Accession #	Q15631
UniProt Secondary Accession #	Q5U0K7; B7Z3X8
UniProt Related Accession #	Q15631
GenBank Nucleotide #	NM_004622.2
NCBI Official Full Name	translin isoform 1
NCBI Official Synonym Full Names	translin
NCBI Official Symbol	TSN
NCBI Official Synonym Symbols	C3PO; RCHF1; TBRBP; TRSLN; BCLF-1; REHF-1
UniProt Protein Name	Translin
UniProt Synonym Protein Names	Component 3 of promoter of RISC
Protein Family	Translin
UniProt Gene Name	TSN
UniProt Synonym Gene Names	C3PO
UniProt Entry Name	TSN_HUMAN
NCBI Protein Information	translin; component 3 of promoter of RISC; testis brain-RNA binding protein; recombination hotspot-binding protein; recombination hotspot associated factor
NCBI Summary for TSN	This gene encodes a DNA-binding protein which specifically recognizes conserved target sequences at the breakpoint junction of chromosomal translocations. Translin polypeptides form a multimeric structure that is responsible for its DNA-binding activity. Recombination-associated motifs and translin-binding sites are present at recombination hotspots and may serve as indicators of breakpoints in genes which are fused by translocations. These binding activities may play a crucial role in chromosomal translocation in lymphoid neoplasms. This protein encoded by this gene, when complexed with translin-associated protein X, also forms a Mg ion-dependent endoribonuclease that promotes RNA-induced silencing complex (RISC) activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2012]

UniProt Comments for TSN	TSN: DNA-binding protein that specifically recognizes consensus sequences at the breakpoint junctions in chromosomal translocations, mostly involving immunoglobulin (Ig)/T-cell receptor gene segments. Seems to recognize single-stranded DNA ends generated by staggered breaks occurring at recombination hot spots. Belongs to the translin family. Protein type: Nuclear receptor co-regulator; DNA-binding; EC 3.1.-.- Chromosomal Location of Human Ortholog: 2q21.1 Cellular Component: cytoplasm; nucleus; cytosol Molecular Function: endoribonuclease activity; mRNA binding; protein binding; DNA binding; sequence-specific DNA binding; protein complex binding; single-stranded DNA binding Biological Process: gene expression; DNA recombination
Research Articles on TSN	**1.** The selectivity of PLCbeta toward certain genes lies in the rate at which the RNA is hydrolyzed by C3PO.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/tsn/6359527