

## Product datasheet for **TA809099AM**

### Translin (TSN) Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI1B5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B5
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-51 of human TSN(NP_004613) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	26 kDa
Gene Name:	translin
Database Link:	<a href="#">NP_004613</a> <a href="#">Entrez Gene 22099 Mouse</a> <a href="#">Entrez Gene 60381 Rat</a> <a href="#">Entrez Gene 7247 Human</a> <a href="#">Q15631</a>



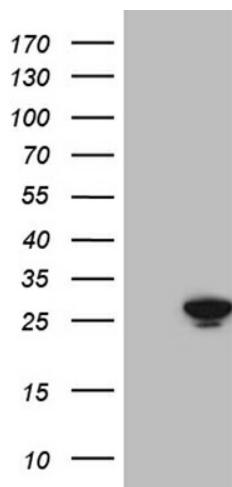
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**Background:**

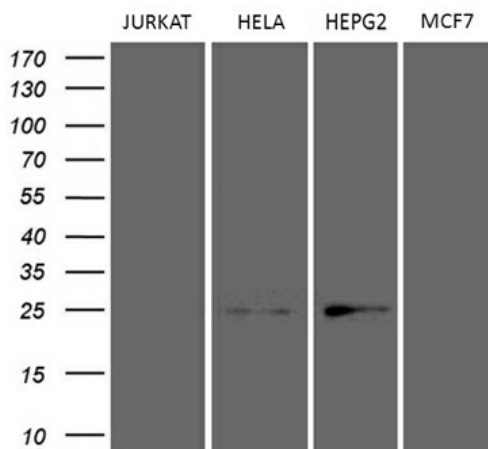
This gene encodes a DNA-binding protein which specifically recognizes conserved target sequences at the breakpoint junction of chromosomal translocations. Translin polypeptides form a multimeric structure that is responsible for its DNA-binding activity. Recombination-associated motifs and translin-binding 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]

**Synonyms:**

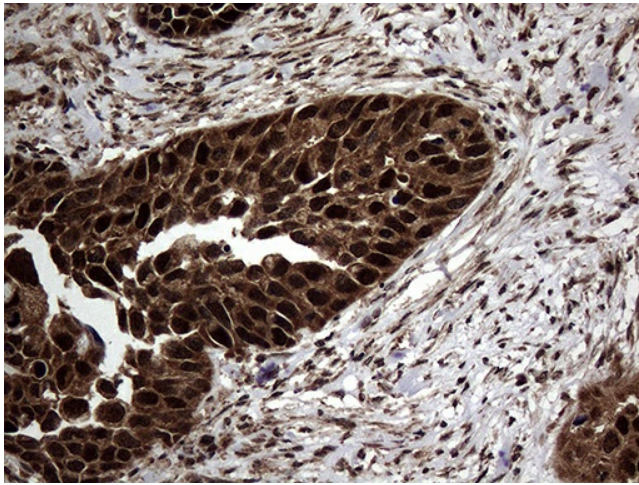
BCLF-1; C3PO; RCHF1; REHF-1; TBRBP; TRSLN

**Product images:**


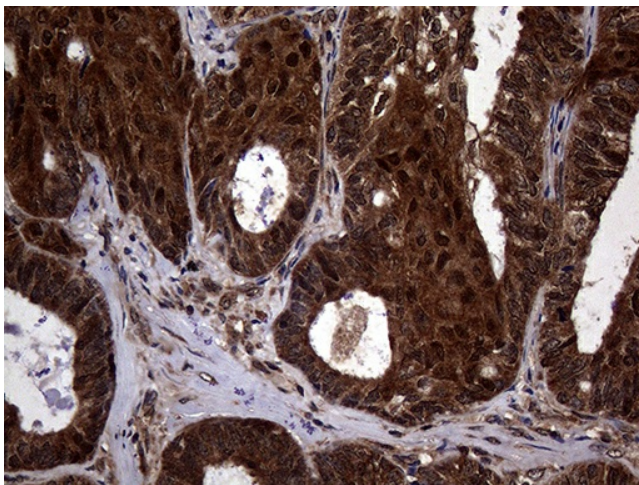
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TSN (Cat# [RC201804], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TSN (Cat# [TA809099])(1:2000). Positive lysates [LY417864] (100ug) and [LC417864] (20ug) can be purchased separately from OriGene.



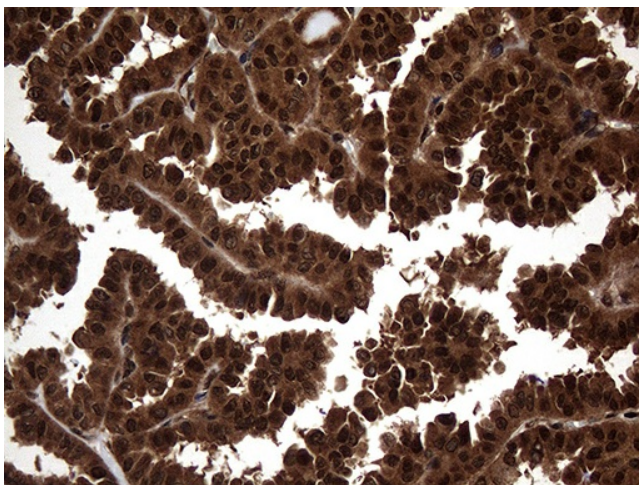
Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-TSN monoclonal antibody (HepG2: human; HeLa: human; Jurkat: human; MCF7: human) (1:500).



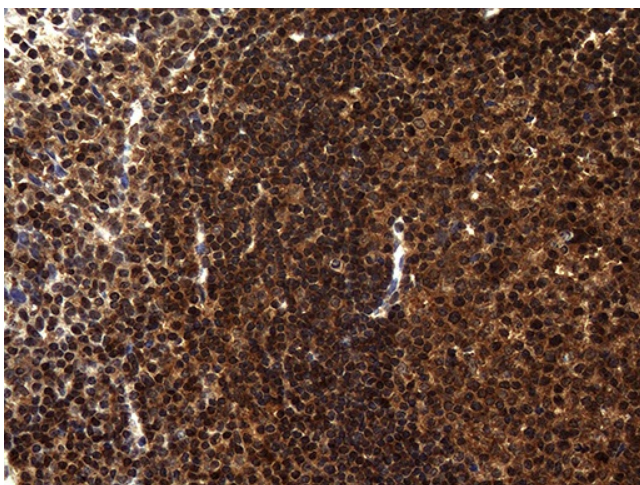
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-TSN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809099]) (1:500)



Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-TSN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809099]) (1:500)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-TSN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809099]) (1:500)



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-TSN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809099]) (1:500)