Product datasheet for CF809099

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

Product data:

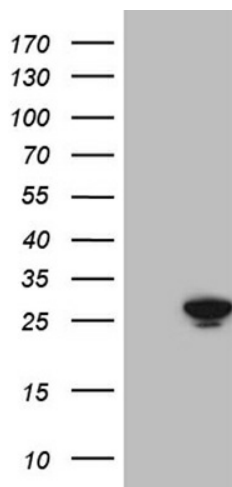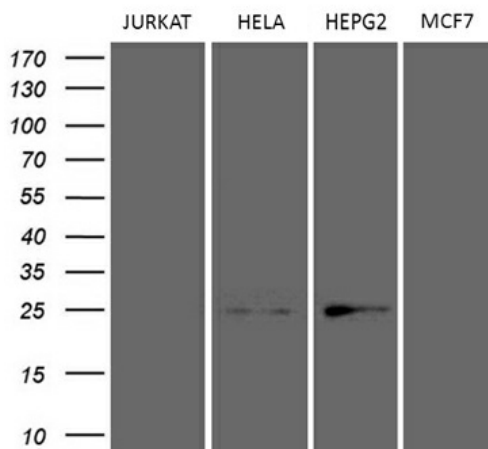|	
Product Type:	Primary Antibodies
Clone Name:	OTI1B5
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-51 of human TSN(NP_004613) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
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:	NP_004613
	Entrez Gene 22099 MouseEntrez Gene 60381 RatEntrez Gene 7247 Human
	Q15631

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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]
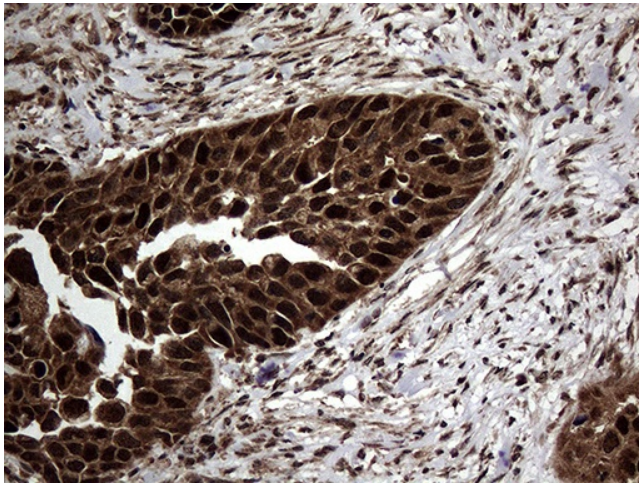
Synonyms: BCLF-1; C3PO; RCHF1; REHF-1; TBRBP; TRSLN
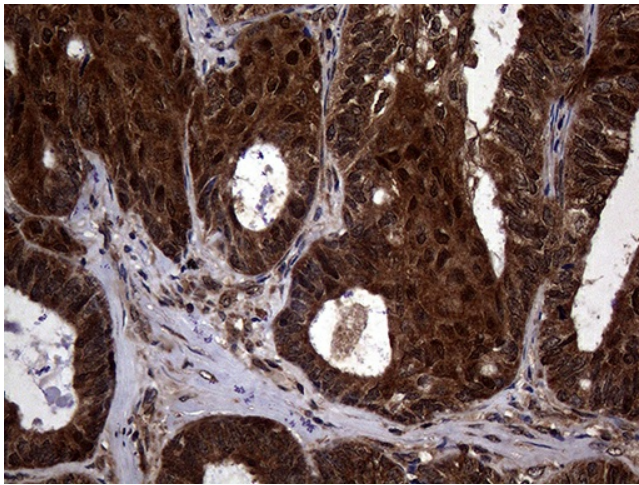
Product images:

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.
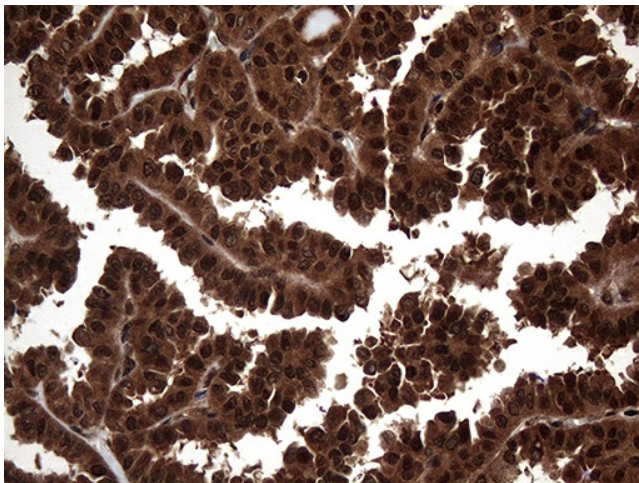

Western blot analysis of extracts (35ug) from 3 different cell lines by using anti-TSN monoclonal antibody (HepG2: human; HeLa: human; Jurkat: human; MCF7: human) (1:500).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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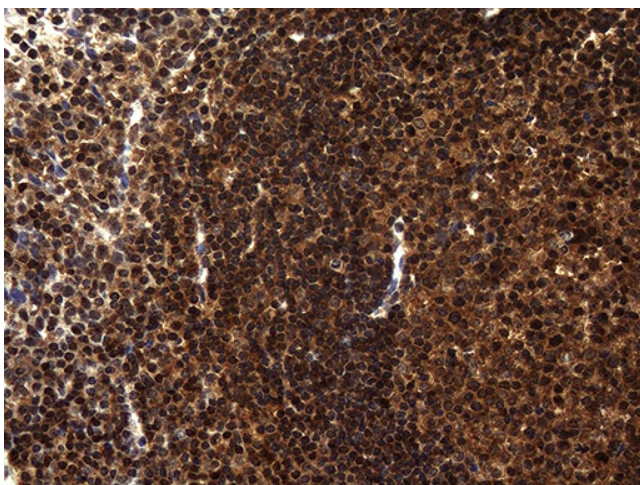
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Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-TSN mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA809099]) (1:500)

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)