

Translin Polyclonal Antibody

Catalog No: YT4722

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: Translin

Gene Name: TSN

Protein Name: Translin

Human Gene Id: 7247

Human Swiss Prot

No:

Mouse Gene ld: 22099

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

TSN. AA range:101-150

Q15631

Q62348

Specificity: Translin Polyclonal Antibody detects endogenous levels of Translin protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 26kD

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],

Function: function: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 occuring at recombination hot spots.,similarity:Belongs to the translin family.,subunit:Forms a multimeric ring-

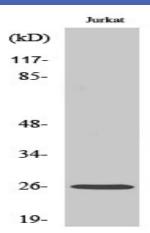
shaped structure. Interacts with TSNAX.,

Subcellular Location:

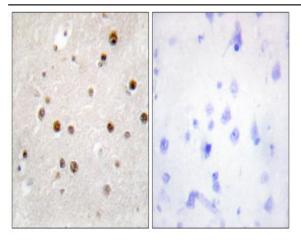
Cytoplasm . Nucleus .

Expression : Liver, Lung,

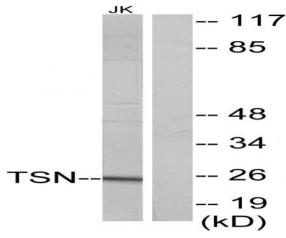
Products Images



Western Blot analysis of various cells using Translin Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using TSN Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using TSN Antibody. The lane on the right is blocked with the synthesized peptide.