Product Name: Translin Rabbit Polyclonal Antibody
Catalog #: APRab19218
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	26kDa

Antigen Information

Gene Name	TSN
Alternative Names	TSN; Translin; Component 3 of promoter of RISC; C3PO
Gene ID	7247.0
SwissProt ID	Q15631
Immunogen	The antiserum was produced against synthesized peptide derived from human TSN. AA range:101-150

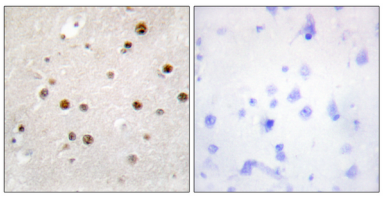
Background

This gene encodes a DNA-binding protein which specifically recognizes conserved target sequences at the breakpoint junction

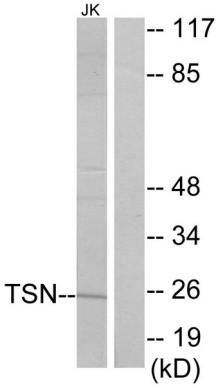
of chromosomal translocations. Translin polypeptides form a multimeric structure that is responsible for its DNA-binding activity. Recombination-associated motifs and translin-binding sites are present at recombination hotspots and may serve as indicators of breakpoints in genes which are fused by translocations. 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: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.,

Research Area

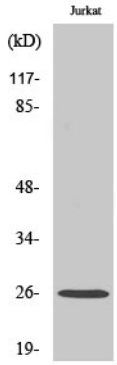
Image Data



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.



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