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Translin Rabbit pAb

Catalog # AP99395

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q15631
Other Accession	Q15631
Reactivity	Rat, Human
Predicted	Pig, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26183
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Translin
Epitope Specificity	51-150/228
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the translin family.
SUBUNIT	Ring-shaped heterooctamer of six TSN and two TSNAX subunits, DNA/RNA binding occurs inside the ring.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	7247
Other Names	BCLF-1; C3PO; RCHF1; REHF-1; TBRBP; TRSLN; 2610034C24Rik; TB-RBP; TSN_HUMAN; TSN; Component 3 of promoter of RISC (C3PO); 3.1.-.-; TSN_MOUSE; Testis/brain RNA-binding protein (TB-RBP); translin; recombination hotspot associated factor
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	TSN (HGNC:12379)
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 occurring at recombination hot spots.
Cellular Location	Cytoplasm. Nucleus

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.