

For Research Use Only

TSEN2 Polyclonal antibody

Catalog Number: 13103-2-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

13103-2-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 407 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3742

GenBank Accession Number:

BC019582

GeneID (NCBI):

80746

UNIPROT ID:

Q8NCEO

Full Name:

tRNA splicing endonuclease 2 homolog (S. cerevisiae)

Calculated MW:

465 aa, 51 kDa

Observed MW:

51 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

Positive Controls:

WB : mouse colon tissue, human brain tissue, mouse brain tissue

IF/ICC : HeLa cells,

Background Information

TSEN2, also named as SEN2, belongs to the tRNA-intron endonuclease family. TSEN2 is a metal ion independent nuclease that cleave the 5' splice site (PMID: 32476018). TSEN2 has 5 isoforms with the molecular mass of 45-53 kDa. TSEN2 is involved in the formation of a human endonuclease complex whose function is the removal of introns from pre-tRNA (PMID: 16595010).

Notable Publications

Author	Pubmed ID	Journal	Application
Martin W Breuss	27392077	Am J Hum Genet	WB
Ashleigh E Schaffer	24766810	Cell	WB
Jennifer E Hurtig	36943791	Genetics	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

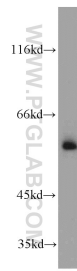
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

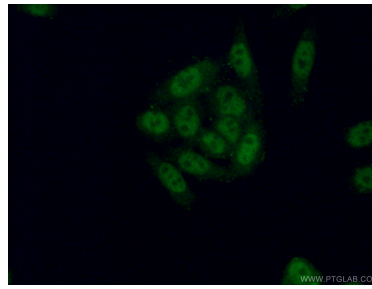
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse colon tissue were subjected to SDS PAGE followed by western blot with 13103-2-AP (TSEN2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 13103-2-AP (TSEN2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).