



Anti-TSEN54 (internal region) polyclonal antibody (DPABH-00464)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Non-catalytic subunit of the tRNA-splicing endonuclease complex, a complex responsible for identification and cleavage of the splice sites in pre-tRNA. It cleaves pre-tRNA at the 5 and 3 splice sites to release the intron. The products are an intron and two tRNA half-molecules bearing 2,3 cyclic phosphate and 5-OH termini. There are no conserved sequences at the splice sites, but the intron is invariably located at the same site in the gene, placing the splice sites an invariant distance from the constant structural features of the tRNA body. The tRNA splicing endonuclease is also involved in mRNA processing via its association with pre-mRNA 3 end processing factors, establishing a link between pre-tRNA splicing and pre-mRNA 3 end formation, suggesting that the endonuclease subunits function in multiple RNA-processing events.
Immunogen	Synthetic peptide derived from an internal region of Human TSEN54.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituents: PBS, 0.88% Sodium chloride, 50% GlycerolNote: PBS (without Mg2+

and Ca²⁺)

Preservative	0.02% Sodium Azide
--------------	--------------------

Storage	Store at -20°C. Stable for 12 months at -20°C
---------	---

GENE INFORMATION

Gene Name	TSEN54 TSEN55 tRNA splicing endonuclease subunit [Homo sapiens]
-----------	---

Official Symbol	TSEN54
-----------------	--------

Synonyms	TSEN54; TSEN54 tRNA splicing endonuclease subunit; PCH4; PCH2A; sen54; SEN54L; tRNA-splicing endonuclease subunit Sen54; hsSen54; SEN54 homolog; tRNA-intron endonuclease Sen54;
----------	--

Entrez Gene ID	283989
----------------	------------------------

Protein Refseq	NP_997229.2
----------------	-----------------------------

UniProt ID	Q7Z6J9
------------	------------------------
