

## Rabbit anti-Human, Mouse TSEN54 Polyclonal Antibody | anti-TSEN54 antibody

TSEN54 Antibody

|                               |                       |                                   |                                                           |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA306625</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

TSEN54; Polyclonal Antibody; TSEN54 Antibody; tRNA-splicing endonuclease subunit Sen54; tRNA-intron endonuclease Sen54; HsSen54; SEN54; anti-TSEN54 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                             |
| Reactivity                                       | Human, Mouse                                                                                                                                       |
| Clonality                                        | Polyclonal                                                                                                                                         |
| Specificity                                      | The antibody detects endogenous levels of total TSEN54 protein.                                                                                    |
| Purity/Purification                              | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Form/Format                                      | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                    | 1.0 mg/ml (varies by lot)                                                                                                                          |
| Sequence Length                                  | 526                                                                                                                                                |
| Applicable Applications for anti-TSEN54 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                      |
| Immunogen Type                                   | Peptide                                                                                                                                            |
| Immunogen Description                            | Synthesized peptide derived from internal of human TSEN54.                                                                                         |
| Target Name                                      | TSEN54                                                                                                                                             |
| Preparation and Storage                          | Store at -20 degree C                                                                                                                              |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using TSEN54 antibody.



#### WB (Western Blot)

Western blot analysis of extracts from 3T3 cells and Jurkat cells, using TSEN54 antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TSEN54 antibody | 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.Zody M.C., Nature 440:1045-1049(2006).Paushkin S.V., Cell 117:311-321(2004).Ota T., Nat. Genet. 36:40-45(2004). |
| Product Categories/Family for anti-TSEN54 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

NCBI AND UNIPROT INFORMATION

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| NCBI GI #                        | 108389176                                 |
| NCBI GeneID                      | 283989                                    |
| NCBI Accession #                 | NP_997229.2                               |
| NCBI GenBank Nucleotide #        | NM_207346.2                               |
| UniProt Accession #              | Q7Z6J9; Q86WV3; Q86XE4; Q8N9H2            |
| Molecular Weight                 | 19,981 Da                                 |
| NCBI Official Full Name          | tRNA-splicing endonuclease subunit Sen54  |
| NCBI Official Synonym Full Names | TSEN54 tRNA splicing endonuclease subunit |
| NCBI Official Symbol             | TSEN54                                    |
| NCBI Official Synonym Symbols    | PCH4; PCH5; PCH2A; sen54; SEN54L          |
| NCBI Protein Information         | tRNA-splicing endonuclease subunit Sen54  |
| UniProt Protein Name             | tRNA-splicing endonuclease subunit Sen54  |
| UniProt Gene Name                | TSEN54                                    |
| UniProt Synonym Gene Names       | SEN54; HsSEN54                            |
| UniProt Entry Name               | SEN54_HUMAN                               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tsen54-antibody-immunohistochemistry-western-blot-elisa/306625>