

Datasheet for ABIN7600084  
**anti-TSEN54 antibody (AA 147-507)**



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## Overview

|                      |                                                                                                                                     |
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| Quantity:            | 100 µg                                                                                                                              |
| Target:              | TSEN54                                                                                                                              |
| Binding Specificity: | AA 147-507                                                                                                                          |
| Reactivity:          | Human                                                                                                                               |
| Host:                | Rabbit                                                                                                                              |
| Clonality:           | Polyclonal                                                                                                                          |
| Conjugate:           | This TSEN54 antibody is un-conjugated                                                                                               |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS) |

## Product Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Purpose:                    | Anti-TSEN54 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen:                  | E.coli-derived human TSEN54 recombinant protein (Position: D147-H507).                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                         |
| Characteristics:            | Anti-TSEN54 Antibody Picoband® (ABIN7600084). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification:               | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                                     |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Target:           | TSEN54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Alternative Name: | TSEN54 ( <a href="#">TSEN54 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Background:       | <p>Synonyms: Forkhead box protein F1, Forkhead-related activator 1, FREAC-1, Forkhead-related protein FKHL5, Forkhead-related transcription factor 1, FOXF1, FKHL5, FREAC1</p> <p>Tissue Specificity: Expressed in kidney.</p> <p>Background: This gene encodes a subunit of the tRNA splicing endonuclease complex, which catalyzes the removal of introns from precursor tRNAs. The complex is also implicated in pre-mRNA 3-prime end processing. Mutations in this gene result in pontocerebellar hypoplasia type 2.</p> |
| Molecular Weight: | 59 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene ID:          | 283989                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| UniProt:          | <a href="#">Q7Z6J9</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pathways:         | <a href="#">Synaptic Membrane</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Application Details

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| Application Notes: | <p>Western blot, 0.1-0.25 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Barth, P. G., Aronica, E., de Vries, L., Nikkels, P. G. J., Scheper, W., Hoozemans, J. J., Poll-The, B.-T., Troost, D. Pontocerebellar hypoplasia type 2: a neuropathological update. <i>Acta Neuropath.</i> 114: 373-386, 2007. 2. Budde, B. S., Namavar, Y., Barth, P. G., Poll-The, B. T., Nurnberg, G., Becker, C., van Ruissen, F., Weterman, M. A. J., Fluiter, K., te Beek, E. T., Aronica, E., van der Knaap, M. S., and 26 others. tRNA splicing endonuclease mutations cause pontocerebellar hypoplasia. <i>Nature Genet.</i> 40: 1113-1118, 2008. 3. Cassandrini, D., Biancheri, R., Tessa, A., Di Rocco, M., Di Capua, M., Bruno, C., Denora, P. S., Sartori, S., Rossi, A., Nozza, P., Emma, F., Mezzano, P., Politi, M. R., Laverda, A. M., Zara, F., Pavone, L., Simonati, A., Leuzzi, V., Santorelli, F. M., Bertini, E. Pontocerebellar hypoplasia: clinical, pathologic, and genetic studies. <i>Neurology</i> 75: 1459-1464, 2010.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Handling

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| Format:          | Lyophilized                                                                                                                                                                                          |
| Reconstitution:  | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.                                                                                                                            |
| Concentration:   | 500 µg/mL                                                                                                                                                                                            |
| Buffer:          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                            |
| Storage:         | 4 °C, -20 °C                                                                                                                                                                                         |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |