Datasheet for ABIN7599254

anti-TSEN34 antibody (AA 1-310)

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Overview

Quantity:	100 µg
Target:	TSEN34
Binding Specificity:	AA 1-310
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSEN34 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-TSEN34 Antibody Picoband®
Immunogen:	E.coli-derived human TSEN34 recombinant protein (Position: M1-Q310).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TSEN34 Antibody Picoband® (ABIN7599254). Tested in ELISA, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. 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

Target:	TSEN34
Alternative Name:	TSEN34 (TSEN34 Products)
Background:	Synonyms: Mitochondrial import inner membrane translocase subunit Tim17-A, Inner membrane preprotein translocase Tim17a, TIMM17A, MIMT17, TIM17, TIM17A, TIMM17 Background: tRNA-splicing endonuclease subunit Sen34 is an enzyme that in humans is encoded by the TSEN34 gene. This gene encodes a catalytic subunit of the tRNA splicing endonuclease, which catalyzes the removal of introns from precursor tRNAs. The endonuclease complex is also associated with a pre-mRNA 3-prime end processing factor. A mutation in this gene results in the neurological disorder pontocerebellar hypoplasia type 2. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Molecular Weight:	50 kDa
Gene ID:	79042

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. 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. Nature Genet. 40: 1113-1118, 2008. 2. Paushkin, S. V., Patel, M., Furia, B. S., Peltz, S. W., Trotta, C. R. Identification of a human endonuclease complex reveals a link between tRNA splicing and pre-mRNA 3-prime end formation. Cell 117: 311-321, 2004. 3. Wende, H., Volz, A., Ziegler, A. Extensive gene duplications and a large inversion characterize the human leukocyte receptor cluster. Immunogenetics 51: 703-713, 2000. Note: Erratum: Immunogenetics 52: 308 only, 2001.
Restrictions:	For Research Use only

Handling

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 Na2HPO4.

Handling

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. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.