Datasheet for ABIN7599225

anti-POLR1E antibody (AA 1-291)

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Overview

Quantity:	100 µg
Target:	POLR1E
Binding Specificity:	AA 1-291
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLR1E antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-POLR1E Antibody Picoband®
Immunogen:	E.coli-derived human POLR1E recombinant protein (Position: M1-Q291). Human POLR1E shares 78.9% amino acid (aa) sequence identity with mouse POLR1E.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-POLR1E Antibody Picoband® (ABIN7599225). Tested in WB, ICC/IF, IP, ELISA 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	POLR1E
Alternative Name:	POLR1E (POLR1E Products)
Background:	Synonyms: POLR1E, PAF53, PRAF1, DNA-directed RNA polymerase I subunit RPA49, RNA polymerase I subunit A49, DNA-directed RNA polymerase I subunit E, RNA polymerase I-associated factor 1, RNA polymerase I-associated factor 53 Background: Predicted to enable DNA binding activity and RNA polymerase I general transcription initiation factor binding activity. Involved in nucleolar large rRNA transcription by RNA polymerase I and transcription initiation at RNA polymerase I promoter. Located in fibrillar center and nucleoplasm. Part of RNA polymerase I complex.
Molecular Weight:	47 kDa
Gene ID:	64425

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunoprecipitation, 2-4 µg/mL, Human ELISA, 0.1-0.5 µg/mL 1. Hanada, K., Song, C. Z., Yamamoto, K., Yano, K., Maeda, Y., Yamaguchi, K., Muramatsu, M. RNA polymerase I associated factor 53 binds to the nucleolar transcription factor UBF and functions in specific rDNA transcription. EMBO J. 15: 2217-2226, 1996. 2. Kong, R., Zhang, L., Hu, L., Peng, Q., Han, W., Du, X., Ke, Y. hALP, a novel transcriptional U three protein (t-UTP), activates RNA polymerase I transcription by binding and acetylating the upstream binding factor (UBF). J. Biol. Chem. 286: 7139-7148, 2011. 3. McNamar, R., Abu-Adas, Z., Rothblum, K., Knutson, B. A., Rothblum, L. I. Conditional depletion of the RNA polymerase I subunit PAF53 reveals that it is essential for mitosis and enables identification of functional domains. J. Biol. Chem. 294: 19907-19922, 2019.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

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Handling

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.
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.

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