Datasheet for ABIN7601848

anti-POLR2B antibody (AA 49-1145)

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Overview

Quantity:	100 µg
Target:	POLR2B
Binding Specificity:	AA 49-1145
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLR2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-POLR2B Antibody Picoband®
Immunogen:	E.coli-derived human POLR2B recombinant protein (Position: E49-Q1145).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-POLR2B Antibody Picoband® (ABIN7601848). Tested in ELISA, IF, ICC, WB, Flow Cytometry 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:	POLR2B
Alternative Name:	POLR2B (POLR2B Products)
Background:	Synonyms: RecQ-mediated genome instability protein 2, hRMI2, BLM-associated protein of 18 kDa, BLAP18, RMI2, C16orf75 Background: DNA-ed RNA polymerase II subunit RPB2 is an enzyme that in humans is encoded by the POLR2B gene. This gene encodes the second largest subunit of RNA polymerase II (Pol II), a DNA-dependent RNA polymerase that catalyzes the transcription of DNA into precursors of mRNA, snRNA and microRNA. This subunit and the largest subunit form opposite sides of the center cleft of Pol II. Deletion of the flap loop region of this subunit results in a decrease in the rate of transcriptional elongation. Alternative splicing results in multiple transcript variants.
Molecular Weight:	130 kDa
Gene ID:	5431
UniProt:	P30876
Pathways:	Regulatory RNA Pathways, DNA Damage Repair

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Acker, J., Mattei, M.-G., Wintzerith, M., Roeckel, N., Depetris, D., Vigneron, M., Kedinger, C. Chromosomal localization of human RNA polymerase II subunit genes. Genomics 20: 496-499, 1994. 2. Acker, J., Wintzerith, M., Vigneron, M., Kedinger, C. Primary structure of the second largest subunit of human RNA polymerase II (or B). J. Molec. Biol. 226: 1295-1299, 1992. 3. Hsin, J.-P., Sheth, A., Manley, J. L. RNAP II CTD phosphorylated on threonine-4 is required for histone mRNA 3-prime end processing. Science 334: 683-686, 2011.
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

Handling

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.