Datasheet for ABIN7598944

anti-POLD4 antibody (AA 1-107)

Go to Product page

Overview

Quantity:	100 µg
Target:	POLD4
Binding Specificity:	AA 1-107
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLD4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-POLD4 Antibody Picoband®
Immunogen:	E.coli-derived human POLD4 recombinant protein (Position: M1-L107). Human POLD4 shares 83.2% amino acid (aa) sequence identity with mouse POLD4.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-POLD4 Antibody Picoband® (ABIN7598944). Tested in WB, ICC/IF, Flow Cytometry, 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:	POLD4
Alternative Name:	POLD4 (POLD4 Products)
Background:	Synonyms: POLD4, POLDS, DNA polymerase delta subunit 4, DNA polymerase delta subunit p12 Background: This gene encodes the smallest subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. The encoded protein enhances the activity of DNA polymerase delta and plays a role in fork repair and stabilization through interactions with the DNA helicase Bloom syndrome protein. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Weight:	12 kDa
Gene ID:	57804
Pathways:	Telomere Maintenance, DNA Damage Repair, DNA Replication, Synthesis of DNA

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL 1. Gross, M. B. Personal Communication. Baltimore, Md. 4/9/2018. 2. Liu, G., Warbrick, E. The p66 and p12 subunits of DNA polymerase delta are modified by ubiquitin and ubiquitin-like proteins. Biochem. Biophys. Res. Commun. 349: 360-366, 2006. 3. Liu, L., Mo, J., Rodriguez-Belmonte, E. M., Lee, M. Y. W. T. Identification of a fourth subunit of mammalian DNA polymerase delta. J. Biol. Chem. 275: 18739-18744, 2000.
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.