Datasheet for ABIN7599109

anti-GINS4 antibody (AA 1-223)

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Overview

Quantity:	100 µg
Target:	GINS4
Binding Specificity:	AA 1-223
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GINS4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SLD5/GINS4 Antibody Picoband®
Immunogen:	E.coli-derived human SLD5/GINS4 recombinant protein (Position: M1-I223). Human GINS4 shares 87.9% and 88.8% amino acid (aa) sequence identity with mouse and rat GINS4, respectively.
Characteristics:	Anti-SLD5/GINS4 Antibody Picoband® (ABIN7599109). Tested in WB, IHC, Flow Cytometry, ELISA 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:	GINS4
Alternative Name:	GINS4 (GINS4 Products)
Background:	The yeast heterotetrameric GINS complex is made up of Sld5, Psf1 (GINS1, MIM 610608), Psf2 (GINS2, MIM 610609), and Psf3 (GINS3, MIM 610610). The formation of the GINS complex is essential for the initiation of DNA replication in yeast and Xenopus egg extracts (Ueno et al., 2005 [PubMed 16287864]). See GINS1 for additional information about the GINS complex.
Molecular Weight:	28 kDa
Gene ID:	84296
Pathways:	DNA Replication, Synthesis of DNA

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Kong, L., Ueno, M., Itoh, M., Yoshioka, K., Takakura, N. Identification and characterization of mouse PSF1-binding protein, SLD5. Biochem. Biophys. Res. Commun. 339: 1204-1207, 2006. 2. Takayama, Y., Kamimura, Y., Okawa, M., Muramatsu, S., Sugino, A., Araki, H. GINS, a novel multiprotein complex required for chromosomal DNA replication in budding yeast. Genes Dev. 17: 1153-1165, 2003. 3. Ueno, M., Itoh, M., Kong, L., Sugihara, K., Asano, M., Takakura, N. PSF1 is essential for early embryogenesis in mice. Molec. Cell Biol. 25: 10528-10532, 2005.
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.
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.