Datasheet for ABIN7603077

anti-ORC5 antibody (Middle Region)

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Overview

Quantity:	100 µg
Target:	ORC5
Binding Specificity:	Middle Region
Reactivity:	Mouse, Human, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORC5 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-ORC5L/ORC5 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human ORC5, identical to the related mouse sequence.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ORC5L/ORC5 Antibody Picoband® (ABIN7603077). Tested in WB applications. This antibody reacts with Human, Monkey, 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	ORC5
Alternative Name:	ORC5 (ORC5 Products)
Background:	Synonyms: p-selectin glycoprotein ligand, Selplg, Psgl1 Tissue Specificity: Highly expressed in blood, bone marrow, brain, adipose tissue, spleen, and thymus. Also expressed in heart, kidney, liver, muscle, ovary, and stomach. Background: Origin recognition complex subunit 5 is a protein that in humans is encoded by the ORC5 (ORC5L) gene. The origin recognition complex (ORC) is a highly conserved six subunit protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. Alternatively spliced transcript variants encoding distinct isoforms have been described.
Molecular Weight:	50 kDa
Gene ID:	5001
UniProt:	O43913
Pathways:	Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat, Monkey Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Frohling, S., Nakabayashi, K., Scherer, S. W., Dohner, H., Dohner, K. Mutation analysis of the origin recognition complex subunit 5 (ORC5L) gene in adult patients with myeloid leukemias exhibiting deletions of chromosome band 7q22. Hum. Genet. 108: 304-309, 2001. 2. Ishiai, M., Dean, F. B., Okumura, K., Abe, M., Moon, K.-Y., Amin, A. A., Kagotani, K., Taguchi, H., Murakami, Y., Hanaoka, F., O'Donnell, M., Hurwitz, J., Eki, T. Isolation of human and fission yeast homologues of the budding yeast origin recognition complex subunit ORC5: human homologue (ORC5L) maps to 7q22. Genomics 46: 294-298, 1997. 3. Quintana, D. G., Thome, K. C., Hou, Z., Ligon, A. H., Morton, C. C., Dutta, A. ORC5L, a new member of the human origin recognition complex, is deleted in uterine leiomyomas and malignant myeloid diseases. J. Biol. Chem. 273:

Application Details

	27137-27145, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 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:	Store 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 freeze-thaw cycles.

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