

Datasheet for ABIN7599080
anti-ISOC2 antibody (AA 1-205)



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Overview

Quantity:	100 µg
Target:	ISOC2
Binding Specificity:	AA 1-205
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ISOC2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-ISOC2 Antibody Picoband®
Immunogen:	E.coli-derived human ISOC2 recombinant protein (Position: M1-H205). Human ISOC2 shares 84.2% and 75% amino acid (aa) sequence identity with mouse and rat ISOC2, respectively.
Characteristics:	Anti-ISOC2 Antibody Picoband® (ABIN7599080). Tested in WB, IF, ICC, 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:	ISOC2
Alternative Name:	ISOC2 (ISOC2 Products)
Background:	<p>ISOC2 (isochorismatase domain-containing protein 2) is a 205 amino acid protein belonging to the isochorismatase family. Isochorismatase is an enzyme that catalyzes the chemical reaction of isochorismate and water to 2,3-dihydroxy-2,3-dihydrobenzoate and pyruvate. Localized to mitochondrion and cytoplasm, ISOC2 interacts with CDKN2A and localizes to the nucleus in the presence of it. ISOC2 is ubiquitously expressed, with highest levels found in uterus, stomach and urinary tract system. Over-expressed ISOC2 inhibits the expression of CDKN2A, suggesting that this novel gene may play a role during tumor development by interacting with CDKN2A. Three isoforms are produced by alternative splicing events.</p>
Molecular Weight:	22 kDa
Gene ID:	79763

Application Details

Application Notes:	<p>Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Huang, X., Shi, Z., Wang, W., Bai, J., Chen, Z., Xu, J., Zhang, D., Fu, S. Identification and characterization of a novel protein ISOC2 that interacts with p16(INK4a). Biochem. Biophys. Res. Commun. 361: 287-293, 2007.</p>
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:	<p>At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.</p> <p>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.</p>