

Datasheet for ABIN7601930
anti-ANAPC2 antibody (AA 51-272)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ANAPC2
Binding Specificity:	AA 51-272
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ANAPC2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-ANAPC2 Antibody Picoband®
Immunogen:	E.coli-derived human ANAPC2 recombinant protein (Position: K51-R272).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ANAPC2 Antibody Picoband® (ABIN7601930). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	ANAPC2
Alternative Name:	ANAPC2 (ANAPC2 Products)
Background:	Synonyms: S-adenosylmethionine decarboxylase proenzyme, AdoMetDC, SAMDC, 4.1.1.50 Tissue Specificity: Widely expressed with higher expression in lung, skeletal muscle, brain, uterus, ovary, thyroid and prostate. Background: Anaphase-promoting complex subunit 2 is an enzyme that in humans is encoded by the ANAPC2 gene. A large protein complex, termed the anaphase-promoting complex (APC), or the cyclosome, promotes metaphase-anaphase transition by ubiquitinating its specific substrates such as mitotic cyclins and anaphase inhibitor, which are subsequently degraded by the 26S proteasome. Biochemical studies have shown that the vertebrate APC contains eight subunits. The composition of the APC is highly conserved in organisms from yeast to humans. The product of this gene is a component of the complex and shares sequence similarity with a recently identified family of proteins called cullins, which may also be involved in ubiquitin-mediated degradation.
Molecular Weight:	110 kDa
Gene ID:	29882
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat, Monkey Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Dube, P., Herzog, F., Gieffers, C., Sander, B., Riedel, D., Muller, S. A., Engel, A., Peters, J.-M., Stark, H. Localization of the coactivator Cdh1 and the cullin subunit Apc2 in a cryo-electron microscopy model of vertebrate APC/C. <i>Molec. Cell</i> 20: 867-879, 2005. 2. Jorgensen, P. M., Graslund, S., Betz, R., Stahl, S., Larsson, C., Hoog, C. Characterisation of the human APC1, the largest subunit of the anaphase-promoting complex. <i>Gene</i> 262: 51-59, 2001. 3. Morgan, D., Eley, L., Sayer, J., Strachan, T., Yates, L. M., Craighead, A. S., Goodship, J. A. Expression analyses and interaction with the anaphase promoting complex protein Apc2 suggest a role for inversin in primary cilia and involvement in the cell cycle. <i>Hum. Molec. Genet.</i> 11: 3345-3350, 2002.
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 and 0.2 mg Na ₂ HPO ₄ .
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.