Datasheet for ABIN4886464

anti-APC2 antibody (N-Term)

1 Image

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Overview

Quantity:	100 µg
Target:	APC2
Binding Specificity:	AA 51-90, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APC2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-APC2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human APC2, different from the related mouse sequence by two amino acids.
Sequence:	KHLQGKLEQE ARVLVSSGQT EVLEQLKALQ MDITSLYNLK
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-APC2 Antibody Picoband® (ABIN4886464). Tested in WB 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:	APC2
Alternative Name:	APC2 (APC2 Products)
Background:	Synonyms: Adenomatous polyposis coli protein 2,Adenomatous polyposis coli protein-like,APC-like,APC2,APCL, Tissue Specificity: Widely expressed (at protein level). Specifically expressed in the CNS. . Background: APC2, which is also called APCL, is a deduced 2,303-amino acid protein that contains an N-terminal coiled-coil domain, followed by an armadillo domain and five 20-amino acid repeats. The human APC2 gene is mapped to chromosome 19p13.3. It is found that the 20-amino acid repeat domain of APCL could bind beta-catenin (CTNNB1) and deplete the intracellular beta-catenin pool. A reporter gene assay revealed that APCL could regulate interaction of beta-catenin with T cell-specific transcription factors (TCF7), although less efficiently than APC.
Molecular Weight:	94 kDa
Gene ID:	10297
UniProt:	O95996
Pathways:	WNT Signaling

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human 1. Nakagawa, H., Murata, Y., Koyama, K., Fujiyama, A., Miyoshi, Y., Monden, M., Akiyama, T., Nakamura, Y. Identification of a brain-specific APC homologue, APCL, and its interaction with beta-catenin. Cancer Res. 58: 5176-5181, 1998. 2. van Es, J. H., Kirkpatrick, C., van de Wetering, M., Molenaar, M., Miles, A., Kuipers, J., Destree, O., Peifer, M., Clevers, H.Identification of APC2, a homologue of the adenomatous polyposis coli tumour suppressor. Curr. Biol. 9: 105-108, 1999.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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 Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
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.

Images

Western Blotting

Image 1. Western blot analysis of APC2 expression in HELA whole cell lysates (Lane 1). APC2 at 94KD was detected using rabbit anti- APC2 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).