

Anti-APC2 Picoband Antibody
Catalog # ABO11659**Specification**

Anti-APC2 Picoband Antibody - Product Information

Application	WB
Primary Accession	O95996
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Adenomatous polyposis coli protein 2 (APC2) detection. Tested with WB in Human.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-APC2 Picoband Antibody - Additional Information

Gene ID 10297

Other Names

Adenomatous polyposis coli protein 2, Adenomatous polyposis coli protein-like, APC-like, APC2, APCL

Calculated MW

243949 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Cytoplasm, cytoskeleton . Golgi apparatus . Cytoplasm . Cytoplasm, perinuclear region . Associated with actin filaments (PubMed:11691822). Associated with microtubule network (PubMed:10644998, PubMed:11691822). .

Tissue Specificity

Widely expressed (at protein level). Specifically expressed in the CNS. .

Protein Name

Adenomatous polyposis coli protein 2

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human APC2 (51-90aa KHLQGKLEQEARVLVSSGQTEVLEQLKALQMDITSLYNLK), different from the related mouse sequence

by two amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-APC2 Picoband Antibody - Protein Information

Name APC2 ([HGNC:24036](#))

Synonyms APCL

Function

Stabilizes microtubules and may regulate actin fiber dynamics through the activation of Rho family GTPases (PubMed: [25753423](http://www.uniprot.org/citations/25753423)). May also function in Wnt signaling by promoting the rapid degradation of CTNNB1 (PubMed: [10021369](http://www.uniprot.org/citations/10021369), PubMed: [11691822](http://www.uniprot.org/citations/11691822), PubMed: [9823329](http://www.uniprot.org/citations/9823329)).

Cellular Location

Cytoplasm, cytoskeleton. Golgi apparatus. Cytoplasm Cytoplasm, perinuclear region
Note=Associated with actin filaments (PubMed:11691822, PubMed:25753423). Associated with microtubule network (PubMed:10644998, PubMed:11691822, PubMed:25753423).

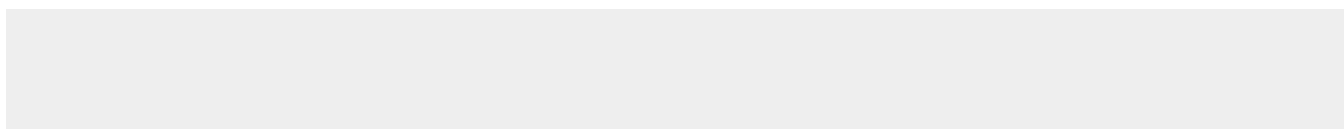
Tissue Location

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Anti-APC2 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-APC2 Picoband Antibody - Images



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 # ABO11659) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

Anti-APC2 Picoband Antibody - 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.