10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 r˚Constitution, 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). May also function in Wnt signaling by promoting the rapid degradation of CTNNB1 (PubMed:10021369, PubMed:11691822, PubMed: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
Widely expressed (at protein level). Specifically expressed in the CNS.

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 Cytomety
- Cell Culture

Anti-APC2 Picoband Antibody - Images

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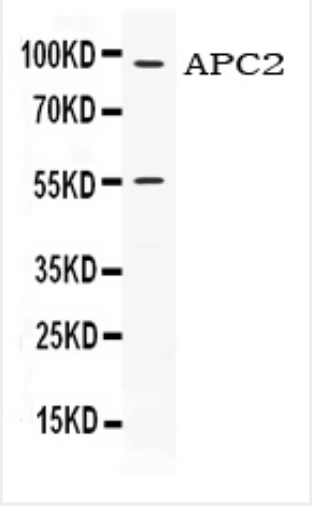

Western blot analysis of APC2 expression in HELA whole cell lysates (lane 1). APC2 at 94KD was detected using rabbit anti- APC2 Antigen Affinity purified polyclonal antibody (Catalog # ABO11659) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

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.