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Anti-APC2 Picoband Antibody

Catalog # ABO11659

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.

Additional Information

Gene ID	10297
Other Names	Adenomatous polyposis coli protein 2, Adenomatous polyposis coli protein-like, APC-like, APC2, APCL
Calculated MW	243949
Application Details	Western blot, 0.1-0.5 □g/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. .
Source	Eukaryota
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.

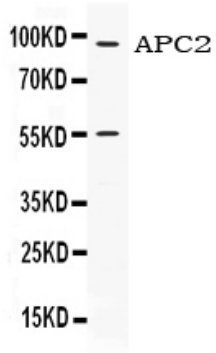
Protein Information

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.

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.

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 ??g/mL. The blot was developed using chemiluminescence (ECL) method .

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.