

Anti-Apc11 ANAPC11 Antibody

Catalog Number: A08555

About ANAPC11

APC11 is also known as Anaphase promoting complex subunit 11, APC11, Cyclosome subunit 11, Hepatocellular carcinoma associated RING finger protein, and HSPC214. APC11 is a component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G₁ phase of the cell cycle. APC11 may function to recruit the E2 ubiquitin-conjugating enzymes to the complex. APC11 interacts with the cullin domain of ANAPC2 and also interacts with UBE2D2. APC11 shows both a cytoplasmic and nuclear localization. APC11 is expressed at high levels in skeletal muscle and heart; in moderate levels in brain, kidney, and liver; and at low levels in colon, thymus, spleen, small intestine, placenta, lung and peripheral blood leukocyte. APC11 is a member of the RING-type zinc finger family and is auto-ubiquitinated.

Overview

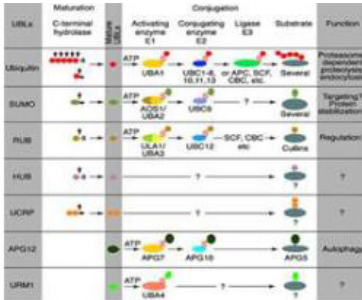
Product Name	Anti-Apc11 ANAPC11 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Apc11 ANAPC11 Antibody (Catalog # A08555). Tested in IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IP, IHC, WB
Clonality	Polyclonal
Formulation	0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q9NYG5

Technical Details

Immunogen	This antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 76-84 of Human APC11 (C-terminal) coupled to KLH.
Predicted Reactive Species	Bovine, Canine, Equine, Guinea Pig, Rabbit, Zebrafish
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Antiserum

Form	Liquid (sterile filtered)
Concentration	85 mg/mL by Refractometry
Purification	This product is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration. This product reacts with human and mouse APC11. Cross-reactivity may also occur with APC11 from other sources. Sufficient sequence differences exist to suggest that this antibody would not react with other RING box proteins such as ROC1 and ROC2.
Suggested Dilutions	<p>ELISA: 1:2,000 - 1:10,000 IHC: User optimized IP: User optimized WB: 1:500 - 1:1,000</p> <p>This antibody reacts with human APC11 by western blot and immunoprecipitation. The antibody immunoprecipitates in vitro translated protein and protein from overexpressing cell lysates (using HeLa and NIH-3T3, and others). Coimmunoprecipitation of related proteins (APC2) does occur. A 9.8 kDa band corresponding to human APC11 is detected. Most cell lines or tissues expressing APC11 can be used as a positive control. Researchers should determine optimal titers for other applications.</p>

Anti-Apc11 ANAPC11 Antibody (A08555) Images



Most modifiers mature by proteolytic processing from inactive precursors (a; amino acid). Arrowheads point to the cleavage sites. Ubiquitin is expressed either as polyubiquitin or as a fusion with ribosomal proteins. Conjugation requires activating (E1) and conjugating (E2) enzymes that form thioesters (S) with the modifiers. Modification of cullins by RUB involves SCF(SKP1/cullin-1/F-box protein) /CBC(cullin-2/elongin B/elonginC) -like E3 enzymes that are also involved in ubiquitination. In contrast to ubiquitin, the UBLs do not seem to form multi-UBL chains. UCRP(ISG15) resembles two ubiquitin moieties linked head-to-tail. Whether HUB1 functions as a modifier is currently unclear. APG12 and URM1 are distinct from the other modifiers because they are unrelated in sequence to ubiquitin. Data contributed by S.Jentsch.

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