Product Datasheet

Apc11 Antibody - C-terminus
NBP1-78050

Unit Size: 0.1 ml

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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Publications: 5

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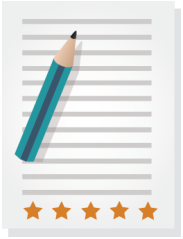
Updated 10/23/2024 v.20.1



NBP1-78050

Apc11 Antibody - C-terminus

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	Serum
Purity	Delipidation and Defibrination
Buffer	Antiserum

Product Description

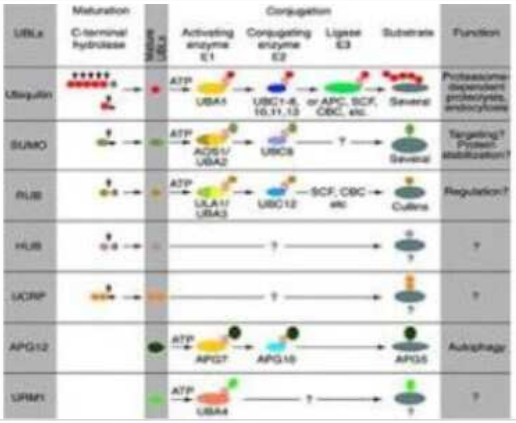
Description	This product is monospecific antiserum processed by delipidation and defibrination followed by sterile filtration Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.
Host	Rabbit
Gene ID	51529
Gene Symbol	ANAPC11
Species	Human
Reactivity Notes	Cross reactivity may also occur with Apc11 from other sources
Specificity/Sensitivity	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.
Immunogen	This Apc11 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. (Uniprot: Q9NYG5)

Product Application Details

Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:1000, ELISA 1:2000-1:10000, Immunohistochemistry 1:10-1:500, Immunoprecipitation, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	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.

Images

N/A: Apc11 Antibody [NBP1-78050] - 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) & conjugating (E2) enzymes that form thiolesters (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. 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.



Publications

Yan D, He Q, Pei L et al. The APC/C E3 ligase subunit ANAPC11 mediates FOXO3 protein degradation to promote cell proliferation and lymph node metastasis in urothelial bladder cancer Cell Death & Disease 2023-08-12 [PMID: 37573356] (Immunohistochemistry)

Yan D, He Q, Pei L et al. The APC/C E3 ligase subunit ANAPC11 mediates FOXO3 protein degradation to promote cell proliferation and lymph node metastasis of urothelial bladder cancer Research Square 2023-03-16 (IHC-P)

Craney A, Kelly A, et al. Control of APC/C-dependent ubiquitin chain elongation by reversible phosphorylation. Proc Natl Acad Sci U S A 2016-02-09 [PMID: 26811472] (WB, Human)

Furukawa M, Ohta T, Xiong Y et al. Activation of UBC5 ubiquitin-conjugating enzyme by the RING finger of ROC1 and assembly of active ubiquitin ligases by all cullins. J Biol Chem 277:18, 15758-15765. 2002-01-01 [PMID: 11861641]

Ohta T,Michel JJ,Xiong Y. Association with cullin partners protects ROC proteins from proteasome-dependent degradation. Oncogene 18:48, 6758-6766. 1999-01-01 [PMID: 10597284]

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Products Related to NBP1-78050

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
H00051529-P01-10ug	Recombinant Human Apc11 GST (N-Term) Protein
H00143384-P01-10ug	Recombinant Human CAC1 GST (N-Term) Protein

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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