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APC2 Blocking Peptide (N-Term)

Synthetic peptide
Catalog # BP21858a

Specification

APC2 Blocking Peptide (N-Term) - Product Information

Primary Accession O95996

APC2 Blocking Peptide (N-Term) - Additional Information

Gene ID 10297

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

Target/Specificity
The synthetic peptide sequence is selected from aa 142-152 of HUMAN APC2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

APC2 Blocking Peptide (N-Term) - 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.

APC2 Blocking Peptide (N-Term) - Protocols

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

- Blocking Peptides

APC2 Blocking Peptide (N-Term) - Images

APC2 Blocking Peptide (N-Term) - Background

Promotes rapid degradation of CTNNB1 and may function as a tumor suppressor. May function in Wnt signaling.

APC2 Blocking Peptide (N-Term) - References

Nakagawa H.,et al.Cancer Res. 58:5176-5181(1998).
Nakagawa H.,et al.Jpn. J. Cancer Res. 90:982-986(1999).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Carr I.M.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.
van Es J.H.,et al.Curr. Biol. 9:105-108(1999).