

**MCC Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17244c****Specification**

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**MCC Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P23508](#)**MCC Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 4163**Other Names**

Colorectal mutant cancer protein, Protein MCC, MCC

**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.

**MCC Antibody (Center) Blocking Peptide - Protein Information****Name** MCC**Function**

Candidate for the putative colorectal tumor suppressor gene located at 5q21. Suppresses cell proliferation and the Wnt/b-catenin pathway in colorectal cancer cells. Inhibits DNA binding of b-catenin/TCF/LEF transcription factors. Involved in cell migration independently of RAC1, CDC42 and p21-activated kinase (PAK) activation (PubMed:<a href="http://www.uniprot.org/citations/18591935" target="\_blank">18591935</a>, PubMed:<a href="http://www.uniprot.org/citations/19555689" target="\_blank">19555689</a>, PubMed:<a href="http://www.uniprot.org/citations/22480440" target="\_blank">22480440</a>). Represses the beta-catenin pathway (canonical Wnt signaling pathway) in a CCAR2- dependent manner by sequestering CCAR2 to the cytoplasm, thereby impairing its ability to inhibit SIRT1 which is involved in the deacetylation and negative regulation of beta-catenin (CTNB1) transcriptional activity (PubMed:<a href="http://www.uniprot.org/citations/24824780" target="\_blank">24824780</a>).

**Cellular Location**

Cell membrane. Cell projection, lamellipodium. Nucleus. Cytoplasm. Note=Colocalizes with actin at the leading edge of polarized cells

**Tissue Location**

Expressed in a variety of tissues.

### **MCC Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

### **MCC Antibody (Center) Blocking Peptide - Images**

### **MCC Antibody (Center) Blocking Peptide - Background**

This gene is a candidate colorectal tumor suppressor gene that is thought to negatively regulate cell cycle progression. The orthologous gene in the mouse expresses a phosphoprotein associated with the plasma membrane and membrane organelles, and overexpression of the mouse protein inhibits entry into S phase. Multiple transcript variants encoding different isoforms have been found for this gene.

### **MCC Antibody (Center) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) ;Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)Arnaud, C., et al. FEBS Lett. 583(14):2326-2332(2009)Fukuyama, R., et al. Oncogene 27(46):6044-6055(2008)