MCC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MCC, Polyclonal Antibody
Full Product Name	MCC, ID (MCC, Colorectal mutant cancer protein) (MaxLight 405)
Product Gene Name	anti-MCC antibody
Product Synonym Names	MCC; Colorectal mutant cancer protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	159350
3D Structure	ModBase 3D Structure for P23508
Immunogen	MCC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 472-501 amino acids from the Central region of human MCC.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-MCC antibody	Antibodies; Cancer Markers
Applications Tested/Suitable for anti-MCC antibody	Western Blot (WB), FLISA
Application Notes for anti-MCC antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-MCC antibody	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.
Product References and Citations for anti-MCC antibody	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).
Other Notes	Small volumes of anti-MCC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for MCC purchase	MBS6319567 is an antibody targeting MCC. Also known as MCC, ID (MCC, Colorectal mutant cancer protein) (MaxLight 405). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MCC. It may not necessarily be applicable to this product.

NCBI GI #	4505129
NCBI GeneID	4163
NCBI Accession #	NP_002378.1
NCBI Related Accession #	NP_001078846.1
UniProt Primary Accession #	P23508
UniProt Related Accession #	P23508
GenBank Nucleotide #	NP_002378.1
NCBI Official Full Name	colorectal mutant cancer protein isoform 2
NCBI Official Synonym Full Names	MCC regulator of WNT signaling pathway
NCBI Official Symbol	MCC
NCBI Official Synonym Symbols	MCC1
UniProt Protein Name	Colorectal mutant cancer protein
Protein Family	Colorectal mutant cancer protein
UniProt Gene Name	MCC
UniProt Synonym Gene Names	Protein MCC
UniProt Entry Name	CRCM_HUMAN
NCBI Protein Information	colorectal mutant cancer protein
UniProt Comments for MCC	MCC: 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. Belongs to the MCC family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Tumor suppressor; Cell cycle regulation Chromosomal Location of Human Ortholog: 5q21 Cellular Component: nucleoplasm; lamellipodium; cytoplasm; plasma membrane; nucleus Molecular Function: protein binding; receptor activity Biological Process: Wnt receptor signaling pathway; signal transduction; negative regulation of epithelial cell proliferation
Research Articles on MCC	**1.** This study provided new evidence of epistatic association of VAMP5 and MCC with increased risk of Hirschsprung disease
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