MCC Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MCC, Polyclonal Antibody
Full Product Name	MCC Antibody
Product Gene Name	anti-MCC antibody
Product Synonym Names	MCC1
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total MCC protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	113,279 Da
OMIM	159350
3D Structure	ModBase 3D Structure for P23508
Immunogen	Synthetic peptide corresponding to a region derived from internal residues of human mutated in colorectal cancers
Product Categories/Family for anti-MCC antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MCC antibody	Immunohistochemistry (IHC)
Application Notes for anti-MCC antibody	IHC: 1:50-1:200
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
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	MBS8591059 is an antibody targeting MCC. Also known as MCC Antibody. 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 #	317373352

NCBI GeneID	4163
NCBI Accession #	P23508.2
UniProt Primary Accession #	P23508
UniProt Secondary Accession #	Q6ZR04; D3DT05
UniProt Related Accession #	P23508
NCBI Official Full Name	Colorectal mutant cancer protein
NCBI Official Synonym Full Names	mutated in colorectal cancers
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
NCBI Summary for MCC	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. [provided by RefSeq, Jul 2008]
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.** targeted by miR-494, which is overexpressed in hepatocellular carcinoma
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