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## MCC Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58370

## **Product Information**

**Application** WB, IHC-P, IHC-F, IF, E

Primary Accession P23508

**Reactivity** Human, Mouse, Rat, Pig, Dog, Horse, Bovine

HostRabbitClonalityPolyclonalCalculated MW93027

## **Additional Information**

**Gene ID** 4163

Other Names Colorectal mutant cancer protein, Protein MCC, MCC

**Dilution** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000

-10000

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

## **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: 18591935,

PubMed:<u>19555689</u>, PubMed:<u>22480440</u>). 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:<u>24824780</u>).

**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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.