

For Research Use Only

# MCC Polyclonal antibody

Catalog Number: 11525-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

11525-1-AP

**Size:**

150ul, Concentration: 500 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2089

**GenBank Accession Number:**

BC018919

**GeneID (NCBI):**

4163

**UNIPROT ID:**

P23508

**Full Name:**

mutated in colorectal cancers

**Calculated MW:**

829 aa, 93 kDa

**Observed MW:**

98 kDa, 113-118 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** fetal human brain tissue, HeLa cells, human brain tissue, L02 cells, mouse liver tissue

**IP:** HeLa cells,

**IHC:** human prostate cancer tissue,

**IF/ICC:** HeLa cells,

## Background Information

MCC (mutated in colorectal cancers) gene been previously been identified by virtue of its mutation in human colorectal tumors. As a candidate for the putative colorectal tumor suppressor gene located at 5q21, MCC protein suppresses cell proliferation and the Wnt/b-catenin pathway in colorectal cancer cells. In addition, MCC is involved in cell migration via binding with Scrib and b-catenin,

## Notable Publications

Author	Pubmed ID	Journal	Application
F A Benthani	29035389	Oncogene	IF
Hui Song	34926519	Front Med (Lausanne)	WB,IHC,IF
John B Moldovan	38850156	Nucleic Acids Res	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

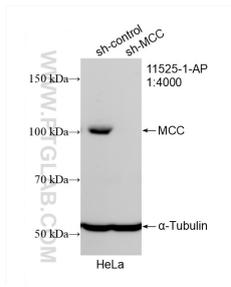
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

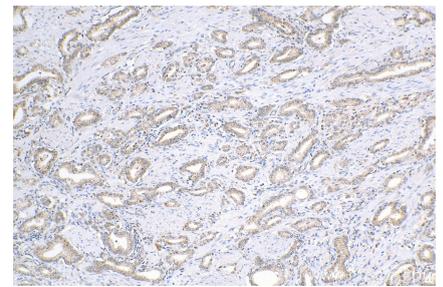
## Selected Validation Data



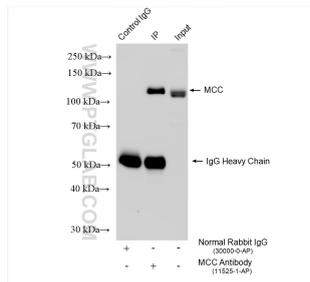
WB result of MCC antibody (11525-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MCC transfected HeLa cells.



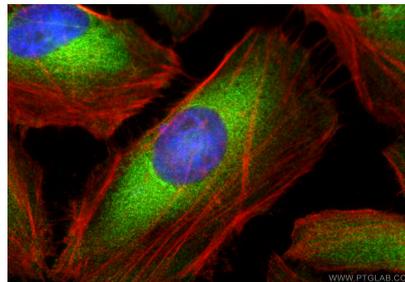
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 11525-1-AP (MCC Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11525-1-AP (MCC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-MCC (IP:11525-1-AP, 4ug; Detection:11525-1-AP 1:5000) with HeLa cells lysate 1280 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MCC antibody (11525-1-AP) at dilution of 1:200 and Multi-rAb CoraLite Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).