

Datasheet for 600-401-C07**MACC1 Antibody****Overview**

Description:	Anti-MACC1 (RABBIT) Antibody - 600-401-C07
Item No.:	600-401-C07
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background: Metastasis associated in colon cancer 1 (MACC1) is a key regulator of the hepatocyte growth factor (HGF)-HGF receptor (MET) pathway, which is involved in cellular growth, epithelial-mesenchymal transition, angiogenesis, cell motility, invasiveness, and metastasis. MACC1 protein consists of four domains: ZU5, SH3, and two C-terminal death domains (DD). Expression of MACC1 was found significantly upregulated in malignant tissues (colon cancer of all stages as well as liver and lung metastases) compared to normal tissues or adenomas. MACC1 represents an early and crucial prognostic indicator for colon cancer metastasis that is independent of age, sex, tumor infiltration, nodal status, and lymph vessel invasion. Besides its involvement in signal transduction with the MET receptor, MACC1 also links MET signaling and apoptosis. MACC1 may also be an important therapeutic target for colorectal cancer treatment. At least two isoforms of MACC1 are known to exist. Anti-MACC1 antibody is ideal for investigators involved in cell cycle protein and cancer research.

Synonyms:	MACC1 (IN), Metastasis associated in colon cancer 1, SH3 domain-containing protein 7a5
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MACC1
Reactivity:	Human, Mouse, Rat

Immunogen Type:	Conjugated Peptide
Immunogen:	MACC1 Antibody was produced from whole rabbit serum prepared by repeated immunizations with a peptide corresponding to an internal region of human MACC1.
Purity/Specificity:	Anti-MACC1 Antibody was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross-reactivity with MACC1 with Human, Rat and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with MACC1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q6ZN28 • NCBI - NP_877439.3 • GeneID - 346389

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-MACC1 antibody has been tested in ELISA, WB, IF, and IHC. Specific conditions for reactivity should be optimized by the end user. Expect a band at ~91-96 kDa in size corresponding to MACC1 by Western blotting in the appropriate cell lysate or extract. Western Blot tested in human and mouse samples; Immunohistochemistry and Immunofluorescence in human samples. Mouse liver tissue lysate may be used as positive control.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:40,000
IF:	20µg/ml
IHC:	2.5 µg/mL
WB:	1.0 - 2.0 µg/mL

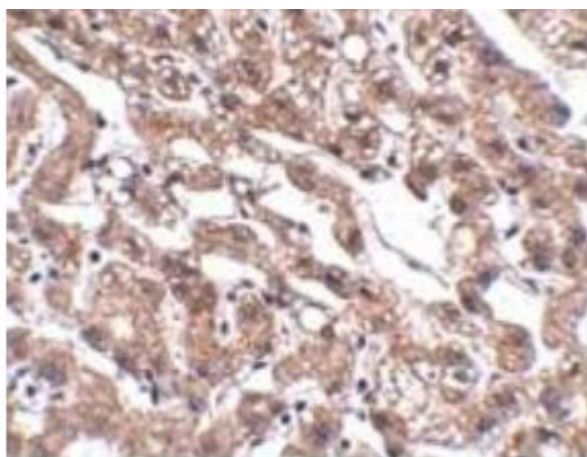
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

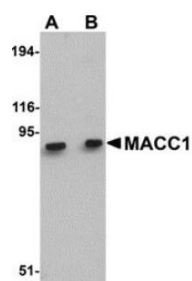
Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry showing detection of MACC1 in human liver tissue. A-MACC1 antibody was used at 2.5 µg/mL.



Western Blot

Western blot of MACC1 Antibody. Lysate: mouse liver tissue lysate. Primary antibody: Anti-MACC1 at 1.0 µg/mL (Lane A); 2.0 µg/mL (Lane B). Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.