



Datasheet for ABIN706526  
**anti-MACC1 antibody (AA 761-852)**



[Go to Product page](#)

5 Images

6 Publications

### Overview

Quantity:	100 µL
Target:	MACC1
Binding Specificity:	AA 761-852
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MACC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MACC1
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Cow
Purification:	Purified by Protein A.

### Target Details

Target:	MACC1
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## Target Details

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Alternative Name:	MACC1 ( <a href="#">MACC1 Products</a> )
Background:	Synonyms: 7A5, SH3BP4L, Metastasis-associated in colon cancer protein 1, SH3 domain-containing protein 7a5, MACC1 Background: Acts as a transcription activator for MET and as a key regulator of HGF-MET signaling. Promotes cell motility, proliferation and hepatocyte growth factor (HGF)-dependent scattering in vitro and tumor growth and metastasis in vivo.
Gene ID:	346389
UniProt:	<a href="#">Q6ZN28</a>

## Application Details

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Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Product cited in:

Shi, Song, Wang, Zhang, Zheng: "MACC-1 antibody target therapy suppresses growth and migration of non-small cell lung cancer." in: **Molecular medicine reports**, Vol. 16, Issue 5, pp. 7329-7336, (2017) ([PubMed](#)).

Montorsi, Guizzetti, Alecci, Caporali, Martello, Atene, Parenti, Pizzini, Zanovello, Bortoluzzi, Ferrari, Grande, Zanocco-Marani: "Loss of zfp36 expression in colorectal cancer correlates to wnt/  $\beta$ -catenin activity and enhances epithelial-to-mesenchymal transition through upregulation of zeb1, sox9 and macc1." in: **Oncotarget**, Vol. 7, Issue 37, pp. 59144-59157, (2016) ([PubMed](#)).

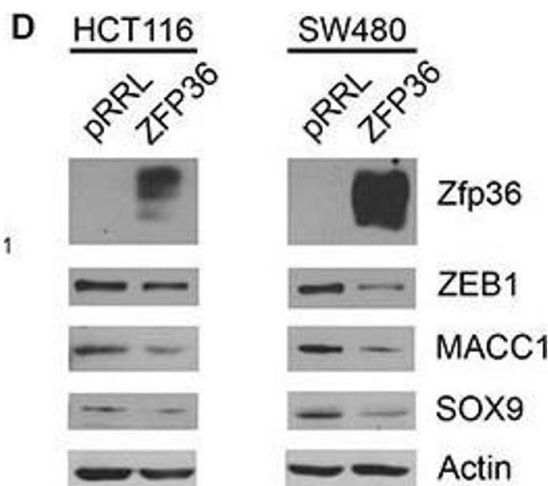
Sun, Li, Dai, Tan, Zhao, Li, Wang: "Silence of MACC1 expression by RNA interference inhibits proliferation, invasion and metastasis, and promotes apoptosis in U251 human malignant glioma cells." in: **Molecular medicine reports**, Vol. 12, Issue 3, pp. 3423-31, (2015) ([PubMed](#)).

Li, Zhang, Zhao, Shi, Yao, Zhang, Guo, Liu: "Overexpression of MACC1 and the association with hepatocyte growth factor/c-Met in epithelial ovarian cancer." in: **Oncology letters**, Vol. 9, Issue 5, pp. 1989-1996, (2015) ([PubMed](#)).

Guo, Yang, Yao, Zhang, Da, Duan: "Expression of MACC1 and c-Met in human gastric cancer and its clinical significance." in: **Cancer cell international**, Vol. 13, Issue 1, pp. 121, (2013) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)

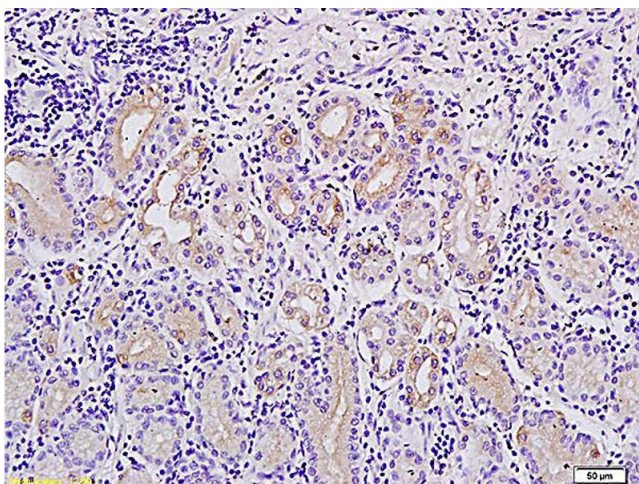
Images



Western Blotting

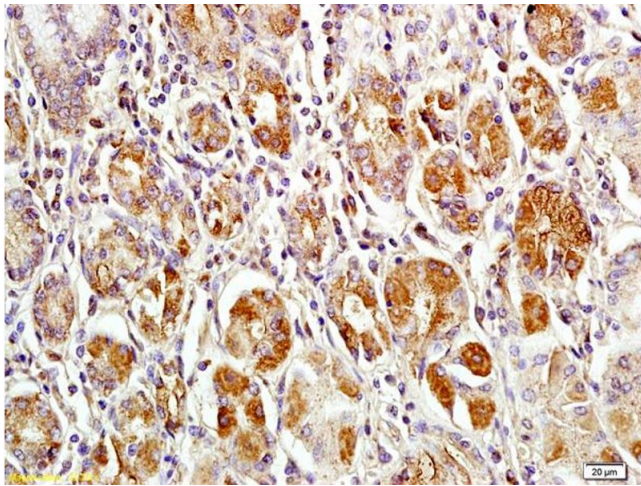
**Image 1.** Validation of three novel ZFP36 target genes involved in EMT (Panel A) Boxplot of Log<sub>2</sub> expression values of MACC1, SOX9 and ZEB1 in 23 normal colon mucosa (Normal), 30 primary colon carcinoma (CRC) and 27 liver metastases (Mts) samples. The thick line indicates the median value, the coloured box indicates the interquartile range and the whiskers the minimum and maximum values excluded outliers. Open circles represent data points outside

the whiskers. (Panel B) Schematic representation of the 3'UTRs sequences of MACC1, SOX9 and ZEB1. A-U rich sequences (ARE) are highlighted in bold. (Panel C) HCT116 and SW480 cells were transfected with an empty vector (pCDNA3.1) or a ZFP36-overexpressing vector (pCDNA3.1-ZFP36). RNA was extracted after 48 hours and MACC1, SOX9, ZEB1 mRNA levels were analysed through qRT-PCR analysis. Results are represented as means of three experiments ( $\pm$ -SEM) and GAPDH was used as endogenous control. \* $p < 0.05$ . (Panel D) HCT116 and SW480 were infected with an empty vector (pRRL) or a ZFP36-overexpressing vector (ZFP36) and corresponding total protein lysates were analysed through Western blotting techniques with antibodies against ZEB1, MACC1, SOX9 and ZFP36. Actin was used as loading control. (Panel E) A fragment of the 3'UTRs of MACC1, SOX9 and ZEB1 was cloned in a pGL3 vector, downstream of the Luciferase gene. These constructs were co-transfected with a  $\Delta$ -gal reporter plasmid and with an empty vector (pCDNA3.1) or ZFP36 overexpressing vector (pCDNA3.1-ZFP36) in HEK293T cells. Cells were harvested after 48 hours, luciferase activity was measured and normalized over  $\Delta$ -gal signals. Results are represented as means of three independent experiments  $\pm$ -SEM. \* $p < 0.05$ , \*\* $p < 0.001$ , \*\*\* $p < 0.0001$ . - figure provided by CiteAb. Source: PMID27463018



### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded human stomach tissue labeled with Anti-MACC1 Polyclonal Antibody, Unconjugated (ABIN706526) followed by conjugation to the secondary antibody and DAB staining



### Immunohistochemistry

**Image 3.** Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Anti-MACC1 Polyclonal Antibody, Unconjugated (ABIN706526) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN706526.