bs-4293R **[Primary Antibody]**

MACC1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 346389 **SWISS:** Q6ZN28

Target: MACC1

Immunogen: KLH conjugated synthetic peptide derived from human MACC1: 761-852/852.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: MACC1 is a key regulator of the hepatocyte growth factor(HGF; MIM 142409)-HGF receptor (HGFR, or MET; MIM 164860) pathway, which is involved in cellular growth, epithelial-mesenchymal transition, angiogenesis, cell motility, invasiveness, and metastasis. Expression of MACC1 in colon cancer (MIM 114500) specimens is an independent prognostic indicator for metastasis formation and metastasis-free survival (Stein et al., 2009 [PubMed19098908]).[supplied by OMIM].

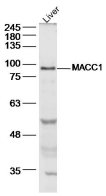
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted: Cow)

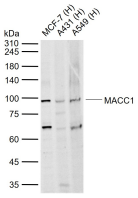
Predicted MW.: 94 kDa

Subcellular Location: Cytoplasm ,Nucleus

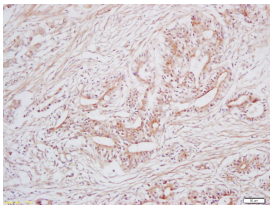
VALIDATION IMAGES



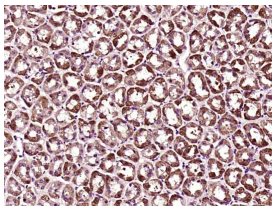
Sample: liver(mouse) Lysate at 40 ug Primary: Anti-MACC1 (bs-4293R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 94 kD Observed band size: 94 kD



Sample: Lane 1: Human MCF-7 cell lysates Lane 2: Human A431 cell lysates Lane 3: Human A549 cell lysates Primary: Anti-MACC1 (bs-4293R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 94 kDa Observed band size: 97 kDa



Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-MACC1 Polyclonal Antibody, Unconjugated(bs-4293R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody

incubation with (MACC1) Polyclonal Antibody, Unconjugated (bs-4293R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[IF=5.008]** Montorsi, Lucia, et al. "Loss of zfp36 expression in colorectal cancer correlates to wnt/ß-catenin activity and enhances epithelial-to-mesenchymal transition through upregulation of zeb1, sox9 and macc1." Oncotarget (2016). WB ;Human. 27463018
- **[IF=2.74]** Guo et al. Expression of MACC1 and c-Met in human gastric cancer and its clinical significance. (2013) Cancer.Cell.Int. 13:121 IHC ;Human. 24325214
- **[IF=2.916]** Shi Yan. et al. The Relationship between MACC1/c-Met/Cyclin D1 Axis Expression and Prognosis in ESCC. Anal Cell Pathol. 2022;2022:9651503 IHC ;Human. 10.1155/2022/9651503
- **[IF=1.69]** Shi, Woda, et al. "MACC-1 antibody target therapy suppresses growth and migration of non-small cell lung cancer." Molecular Medicine Reports 16.5 (2017): 7329-7336. ELISA ;Human. 28944826
- **[IF=1.48]** Sun, Longfeng, et al. "Silence of MACC1 expression by RNA interference inhibits proliferation, invasion and metastasis, and promotes apoptosis in U251 human malignant glioma cells." Molecular Medicine Reports. WB ;Human. 26043756