

Store at
-20C
#86290**MACC1 (D2K7V) Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H	Endogenous	97	Rabbit IgG	#Q6Z2N28	346389

Product Usage Information**Application**

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

MACC1 (D2K7V) Rabbit mAb recognizes endogenous levels of total MACC1 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro442 of human MACC1 protein.

Background

The gene encoding metastasis-associated in colon cancer-1 (MACC1) was identified based on its overexpression in metastatic colon carcinoma (1), and was later shown to be overexpressed in multiple human cancers, including hepatocellular carcinoma, gastric cancer, head and neck cancer, and breast cancer (2-4). MACC1 regulates HGF/MET and β -catenin signaling, resulting in increased proliferation, migration and invasion, and initiation of the epithelial-mesenchymal transition (EMT) (2). Researchers have shown that MACC1 can be used as a prognostic indicator in solid tumors, and that it has potential as a therapeutic target (5).

Background References

- Stein, U. et al. (2009) *Nat Med* 15, 59-67.
- Sun, D.W. et al. (2015) *Int J Clin Exp Med* 8, 4769-77.
- Tan, W. et al. (2016) *Oncotarget* 7, 84408-84415.
- Wu, Z. et al. (2015) *Biomed Res Int* 2015, 252043.
- Stein, U. (2013) *Expert Opin Ther Targets* 17, 1039-52.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human

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