

Anti-TIMP2 Rabbit Monoclonal Antibody

Catalog Number: M01037-1

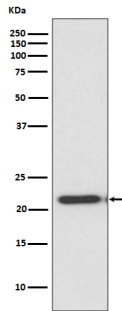
Overview

Product Name	Anti-TIMP2 Rabbit Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-TIMP2 Rabbit Monoclonal Antibody catalog # M01037-1. Tested in WB, Flow Cytometry applications. This antibody reacts with Human.
Application	Flow Cytometry, WB
Clonality	Monoclonal AADE-20
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P16035

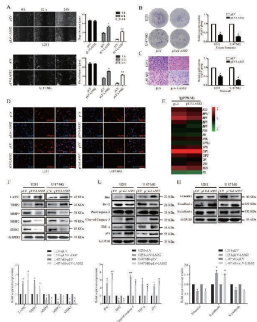
Technical Details

Immunogen	A synthesized peptide derived from human TIMP2
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 FC 1:20

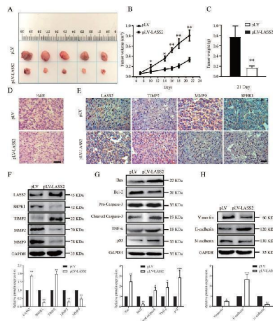
Anti-TIMP2 Rabbit Monoclonal Antibody (M01037-1) Images



Western blot analysis of TIMP2 expression in HeLa cell lysate.



Effect of LASS2 on cell migration, invasion and apoptosis. (A) Wound healing assay of pLV-vector or pLV-LASS2-transfected glioma/glioblastoma cells at 0 h, 12 h and 24 h after scratch. The images were taken from an inverted microscope under 10 \times magnification (*P < 0.05 and **P < 0.01, vs. pLV control; unpaired two-tailed Student's t-test; n = 3). Scale bar = 200 μ m. (B) Colony formation assay in pLV-vector or pLV-LASS2-transfected U251 and U-87 MG cells. Images were acquired at 4 \times magnification (*P



LASS2 inhibited tumor growth in a pLV-LASS2-U-87 MG glioblastoma xenograft nude mouse model. (A) Representative photographs showing the gross pLV-LASS2-U-87 MG and empty scramble control glioblastoma xenografts from the nude mouse. (B) The tumor volume was evaluated between the scrambled control and pLV-LASS2 groups (**P < 0.05 and **P < 0.01 vs. pLV control group; unpaired two-tailed Student's t-test; n = 5 animals). (C) The final tumor weight was measured after dissection. The average final weight of tumors derived from pLV-LASS2-transfected U-87 MG cells was significantly lower than those derived from the scrambled control (**P < 0.01, vs. pLV control group; unpaired two-tailed Student's t-test; n = 5 animals). (D) Representative images for H&E staining from either group were shown. (E) IHC staining of LASS2, TIMP2, MMP9, and SPHK1 in xenografted tumors derived from U-87 MG cells transfected with either pLV-LASS2 or scrambled control. Scale bar = 20 μ m. (F) Western blot analysis of LASS2, SPHK1, TIMP2, MMP2, and MMP9 in xenografted tumors derived from U-87 MG cells transfected with either pLV or pLV-LASS2. (G) Western blot analysis of Bax, Bcl-2, pro-Caspase-3, cleaved Caspase-3, TNF-alpha and p53 in xenografted tumors derived from U-87 MG cells transfected with either pLV or pLV-LASS2. (H) Western blot analysis of EMT conversion-related proteins Vimentin, E-cadherin, and N-cadherin in xenografted tumors derived from U-87 MG cells transfected with either pLV or pLV-LASS2 (F, G, and H, *P

1. PubMed ID: 22200632, Zhang Jt, Fan Yz, Chen Cq, Zhao Zm, Sun W. Int J Oncol. 2012 May;40(5):1501-14. Doi: 10.3892/Ijo.2011.1314. Epub 2011 Dec 21. Norcantharidin: A Potential Antiangiogenic Agent For Gallbladder Cancers In Vitro And In Vivo.

2. PubMed ID: 20688607, Effect of norcantharidin on proliferation and invasion of human gallbladder carcinoma GBC-SD cells

3. PubMed ID: 23151010, Shan A, Zhou C, He Y, Feng W, Chen G, Zhong G. Ren Fail. 2013;35(1):37-42. Doi: 10.3109/0886022X.2012.741645. Epub 2012 Nov 14. Expression Of Both Matrix Metalloproteinase-2 And Its Tissue Inhibitor-2 In Tunica Media Of Radial Artery In Uremic Pat...

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