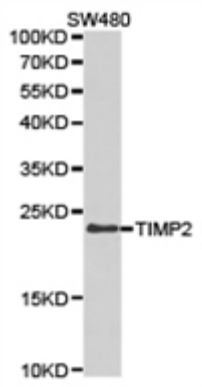
TIMP2 Polyclonal Antibody

E91558

Catalog Number: E91558
Amount: 100ul
Background: TIMPs are members of the family of tissue inhibitor of matrix metalloproteinases (MMPs) that includes TIMP1, TIMP2, TIMP3, and TIMP4. The main function of TIMPs is their inhibitory effect on MMPs. TIMPs irreversibly inactivate MMPs by direct binding to their catalytic zinc cofactor and resultant inhibition of proteinase function (1,2). In addition to MMP inhibition, TIMPs have also been shown to interact with various membrane receptors on the cell surface. Some of these interactions include: TIMP1 with CD63, TIMP2 with α3β1 integrin, and TIMP3 with VEGFR2, all of which result in distinct cellular effects (3). TIMPs are involved in a wide variety of biological functions, such as tumor angiogenesis and progression (4,5), wound healing, and vascular remodeling (6,7). Mutations in TIMP3 are associated with Sorsby's fundus dystrophy (8,9).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: CSC-21K; TIMP2;
Immunogen: Recombinant protein of human TIMP2
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 24kDa
Swiss-Prot No. : P16035
Gene ID: 7077
References: 1. Nagase, H. et al. (2006) Cardiovasc Res 69, 562-73. 2. Visse, R. and Nagase, H. (2003) Circ Res 92, 827-39. 3. Stetler-Stevenson, W.G. (2008) Sci Signal 1, re6. 4. Noel, A. et al. (2004) J Clin Pathol 57, 577-84. 5. Hojilla, C.V. et al. (2003) Br J Cancer 89, 1817-21. 6. Gill, S.E. and Parks, W.C. (2008) Int J Biochem Cell Biol 40, 1334-47. 7. Raffetto, J.D. and Khalil, R.A. (2008) Biochem Pharmacol 75, 346-59. 8. Weber, B.H. et al. (1994) Nat Genet 8, 352-6. 9. Yeow, K.M. et al. (2002) Matrix Biol 21, 75-88.

WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of extracts of SW480cell lines, using TIMP2 antibody.

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