

金属蛋白酶组织抑制因子-2 抗体

产品货号： mlR0416

英文名称： TIMP-2

中文名称： 金属蛋白酶组织抑制因子-2 抗体

别名： Metalloproteinase inhibitor 2 precursor; Tissue inhibitor of metalloproteinases 2; Collagenase inhibitor; CSC 21K; CSC21K; TIMP2; TIMP 2; TIMP 2; TIMP metalloproteinase inhibitor 2; TIMP2_HUMAN; Metalloproteinase inhibitor 2; CSC-21K; TIMP-2.

研究领域： 肿瘤 心血管 细胞生物 神经生物学 信号转导 细胞凋亡 生长因子和激素 合成与降解

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Rabbit, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 (石蜡切片需做抗原修复)

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 24kDa

细胞定位： 分泌型蛋白

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human TIMP-2:131-220/220

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed : PubMed

产品介绍 : This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq, Jul 2008].

Function:

Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-13, MMP-14, MMP-15, MMP-16 and MMP-19.

Subunit:

Interacts (via the C-terminal) with MMP2 (via the C-terminal PEX domain); the interaction inhibits the MMP2 activity.

Subcellular Location:

Secreted.

Post-translational modifications:

The activity of TIMP2 is dependent on the presence of disulfide bonds.

Similarity:

Belongs to the protease inhibitor I35 (TIMP) family.

Contains 1 NTR domain.

SWISS:

P16035

Gene ID:

7077

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.