
TIMP-3 Rabbit pAb

Catalog Number: bs-0417R

Target Protein: TIMP-3

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human (predicted:Mouse, Rat, Rabbit, Pig, Cow, Horse)

Predicted MW: 21 kDa

Entrez Gene: 7078

Swiss Prot: P35625

Source: KLH conjugated synthetic peptide derived from human TIMP-3: 151-211/211.

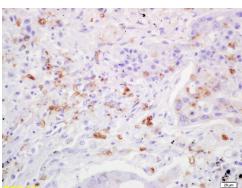
Purification: affinity purified by Protein A

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: This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq, Jul 2008].

VALIDATION IMAGES



Tissue/cell: human lung 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-TIMP-3 Polyclonal Antibody, Unconjugated(bs-0417R) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.8] Sun Liyuan. et al. Exosomal miR-21-5p derived from endometrial stromal cells promotes angiogenesis by targeting TIMP3 in ovarian endometrial cysts. J MOL MED. 2024 Sep;;1-16 IHC ; Human . 39227403

[IF=5.4] Cheng Yan. et al. Endostatin-expressing endometrial mesenchymal stem cells inhibit angiogenesis in endometriosis through the miRNA-21-5p/TIMP3/PI3K/Akt/mTOR pathway. STEM CELL TRANSL MED. 2024 Nov;; IHC ; MOUSE . 39589222

[IF=5.064] Xia Liu. et al. The adipokine orosomucoid alleviates adipose tissue fibrosis via the AMPK pathway. Acta Pharmacol Sin. 2021 Apr;;1-9 WB ; Mouse . 33875797

[IF=3.98] Liu, Wen-bin, et al. "Aberrant methylation accounts for cell adhesion-related gene silencing during 3-methylcholanthrene and diethylnitrosamine induced multistep rat lung carcinogenesis associated with overexpression of DNA methyltransferases 1 and 3a." Toxicology and applied pharmacology 251.1 (2011): 70-78. IHC ; ="Rat" . 21163286

[IF=4.24] Peng, Jiayin, et al. "Expression and regulative function of tissue inhibitor of metalloproteinase 3 in the goat ovary and its role in cultured granulosa cells."Molecular and Cellular Endocrinology (2015). WB ; ="Goat" . 26054746