



## Rabbit Anti-TIMP-3 antibody

SL0417R

<b>Product Name:</b>	TIMP-3
<b>Chinese Name:</b>	金属蛋白酶组织抑制因子-3抗体
<b>Alias:</b>	HSMRK222; K222; K222TA2; Metalloproteinase inhibitor 3; TIMP3; TIMP 3; MIG 5 protein; MIG5 protein; Protein MIG 5; SFD; Sorsby fundus dystrophy pseudoinflammatory; TIMP metalloproteinase inhibitor 3; TIMP3; Tissue Inhibitor of Metalloproteinase 3; Tissue inhibitor of metalloproteinases3; TIMP3_HUMAN.
<b>文献引用</b> 	<p><b>Specific References(5)</b> SL0417R has been referenced in 5 publications.</p> <p><b>[IF=3.98]</b>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.<b>IHC-P;Rat.</b> <a href="#">PubMed:21163286</a></p> <p><b>[IF=4.24]</b>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).<b>WB;Goat.</b> <a href="#">PubMed:26054746</a></p> <p><b>[IF=1.80]</b>Peng, Jiayin, et al. "Expression and regulation of tissue inhibitors of metalloproteinases (TIMP1 and TIMP3) in goat oviduct." Theriogenology(2015).<b>IHC-P;Goat.</b> <a href="#">PubMed:26435260</a></p> <p><b>[IF=2.14]</b>Lu, Minling, et al. "The effects of mycotoxins and selenium deficiency on tissue-engineered cartilage." Cells Tissues Organs 196.3 (2012): 241-250.<b>IHC-P;Rabbit.</b> <a href="#">PubMed:22538829</a></p>

	<p><b>[IF=1.80]</b> Han, Jing, et al. "Long-Term Selenium-Deficient Diet Induces Liver Damage by Altering Hepatocyte Ultrastructure and MMP1/3 and TIMP1/3 Expression in Growing Rats." <i>Biological Trace Element Research</i> (2016): 1-9. <b>IHC-P;Rat.</b></p> <p style="text-align: right;"><a href="#">PubMed:27339256</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human, Mouse, Rat, Pig, Cow, Horse, Rabbit,
<b>Applications:</b>	<p>WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 (Paraffin sections need antigen repair)</p> <p>not yet tested in other applications.</p> <p>optimal dilutions/concentrations should be determined by the end user.</p>
<b>Molecular weight:</b>	21kDa
<b>Cellular localization:</b>	Extracellular matrix Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human TIMP-3:151-211/211
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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].</p> <p><b>Subunit:</b> Interacts with EFEMP1.</p> <p><b>Subcellular Location:</b> Secreted, extracellular space, extracellular matrix.</p> <p><b>Similarity:</b> Belongs to the protease inhibitor I35 (TIMP) family. Contains 1 NTR domain.</p> <p><b>SWISS:</b> P35625</p>

**Gene ID:**  
7078

**Database links:**

[Entrez Gene: 7078](#)Human

[Entrez Gene: 21859](#)Mouse

[Entrez Gene: 25358](#)Rat

[Omim: 188826](#)Human

[SwissProt: P35625](#)Human

[SwissProt: P39876](#)Mouse

[SwissProt: P48032](#)Rat

[Unigene: 644633](#)Human

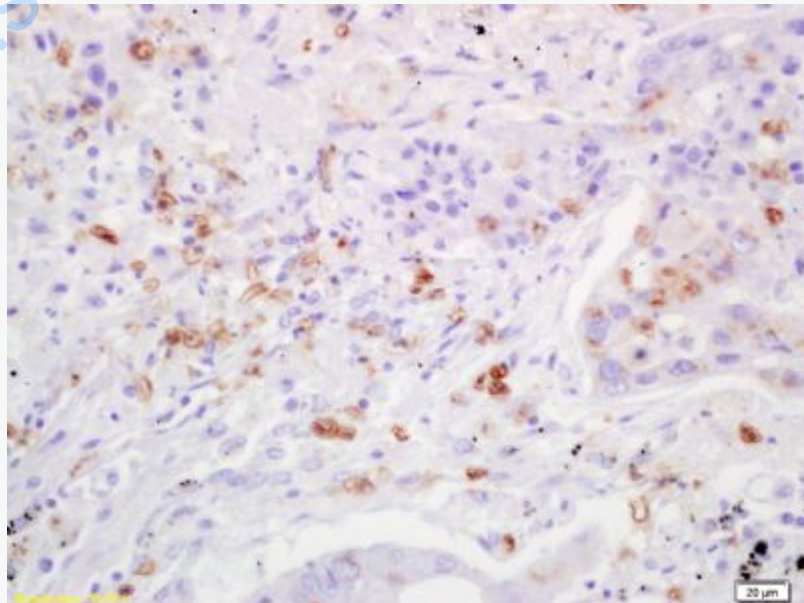
**Important Note:**

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

**Synthesis and Degradation (Synthesis and Degradation)**

近年来, 国内外科科研人员对TIMP-3的抗Tumour作用日益被重视, 学者认为:TIMP-3具有强烈促凋亡、抑制血管生成、抗Tumour浸润作用, TIMP-3与TIMP-1、2且相互间有明显协同抗Tumour作用

**Picture:**



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(SL0417R) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining