

## **TIMP-4 Polyclonal Antibody**

Catalog No: YT4661

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: TIMP-4

Gene Name: TIMP4

**Protein Name:** Metalloproteinase inhibitor 4

Q99727

Q9JHB3

**Human Gene Id:** 7079

**Human Swiss Prot** 

No:

Mouse Gene Id: 110595

**Mouse Swiss Prot** 

No:

**Rat Gene Id:** 680130

Rat Swiss Prot No: P81556

**Immunogen:** The antiserum was produced against synthesized peptide derived from human

TIMP4. AA range:175-224

**Specificity:** TIMP-4 Polyclonal Antibody detects endogenous levels of TIMP-4 protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution :** WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 26kD

**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. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and

endometrial tissue remodeling. [provided by RefSeq, Jul 2008],

**Function:** function:Complexes with metalloproteinases (such as collagenases) and

irreversibly inactivates them. Known to act on MMP-1, MMP-2, MMP-3, MMP-7

and MMP-9., similarity: Belongs to the protease inhibitor I35 (TIMP)

family., similarity: Contains 1 NTR domain., tissue specificity: Abundant in heart and

present at low levels in many other tissues.,

Subcellular

**Location:** 

**Expression:** Abundant in heart and present at low levels in many other tissues.

Secreted.

**Sort :** 17167

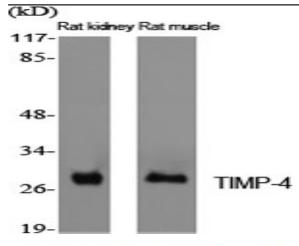
**No4**: 1

Host: Rabbit

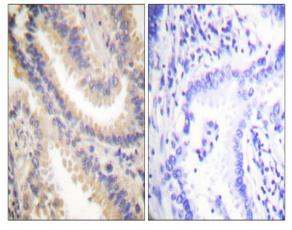
Modifications: Unmodified

## **Products Images**

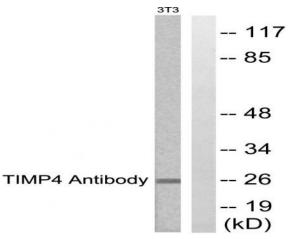
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Western Blot analysis of various cells using TIMP-4 Polyclonal Antibody diluted at 1:2000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using TIMP4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, using TIMP4 Antibody. The lane on the right is blocked with the synthesized peptide.