

## Rabbit Polyclonal Antibody to TIMP-4

**Catalog No.:** RP 073, RP 073-05

**Applications:** Research Use Only.  
Optimal working conditions must be determined by the end user.

**Immunogen:** A synthetic peptide derived from the C-terminus region of the human TIMP-4.

**Host:** Rabbit

**Format:** Purified immunoglobulin fraction of rabbit antiserum against human TIMP-4 containing sodium azide as a preservative.

**Titer/Working Dilution:** This antibody may be diluted to a titer of 1:25-1:50 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.

**Immuno-Staining:** We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.

**Positive Control:** Breast carcinoma

**Cellular Localization:** Cytoplasmic

**Other Applications:** Immunoprecipitation and Western blotting (1:100-500).

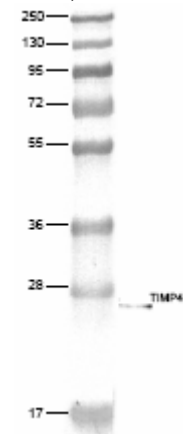
**Specificity:** This antibody reacts with a 23kD protein, known as TIMP-4. TIMPs form tight inhibitory complexes with MMPs, which are involved in matrix degradation, tumor invasiveness, and metastasis. TIMPs inhibit the proteolytic invasiveness of tumor cells and normal placental trophoblast cells.

**Storage:** Store at 2-8°C. Do not use beyond the expiration date stated on the label.

### References:

- i) Douglas et al. J Protein Chem 16: 237, 1997.
- ii) Green et al. J Biol Chem 271: 30375, 1996.
- iii) Liu et al. J Biol Chem 272: 20479, 1997.

### KDa, Protein Ladder



Western blot analysis of human lung cell extract with TIMP4 (RP 073) antibody.

### RUO: Research Use Only

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

**DBS**

1020 Serpentine Lane, # 114, Pleasanton, CA 94566 Tel: 925 484 3350, Fax: 925 484 3390

Website: [www.dbiosys.com](http://www.dbiosys.com) e-mail: [customersupport@dbiosys.com](mailto:customersupport@dbiosys.com)