

## Rabbit Polyclonal Antibody to TIMP-2

<b>Catalog No.:</b>	RP 093, RP 093-05
<b>Applications:</b>	Research Use Only. Optimal working conditions must be determined by the end user.
<b>Immunogen:</b>	A synthetic peptide from the N-terminal half of human TIMP-2 protein.
<b>Host:</b>	Rabbit
<b>Format:</b>	Purified immunoglobulin fraction of rabbit antiserum against TIMP-2 containing sodium azide as a preservative.
<b>Titer/Working Dilution:</b>	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.
<b>Staining Protocol:</b>	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. <u>Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining.</u>
<b>Specificity:</b>	This antibody reacts with a 21kD protein. The tissue inhibitors of metalloproteinases (TIMPs) are natural inhibitors of matrix metalloproteinases (MMPs) and are thought to be of great importance in the maintenance of connective tissue integrity. TIMP-2 shows the highest binding affinity to both the latent and active forms of Type IV collagenase (MMP-2). TIMP-2 inhibits the proteolytic invasiveness of tumor cells and normal placental trophoblast cells.
<b>Positive Control:</b>	Colon carcinoma
<b>Cellular Localization:</b>	Cytoplasmic
<b>Storage:</b>	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
<b>References:</b>	Bramhall et al. J Pathol 182: 347, 1997. Butler et al. J Biol Chem 273: 871, 1998. Hoyhtya et al. Intl J Cancer 56: 500, 1994. Visscher et al. Intl. J Cancer 59: 339, 1994.

### RUO: Research Use Only

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