

Datasheet for ABIN6940739

**Recombinant anti-TIMP2 antibody (N-Term)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	TIMP2
Binding Specificity:	AA 56-66, N-Term
Reactivity:	Human, Rat, Mouse, Cow, Zebrafish (Danio rerio), Rabbit, Guinea Pig
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This TIMP2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	A synthetic peptide from the N-terminus of human TIMP2 protein (aa56-66) (DSGNDIYGNPI)
Clone:	TIMP2-2488R
Isotype:	IgG
Specificity:	It recognizes a protein of 21 kDa, identified as tissue inhibitor of metalloproteinases-2 (TIMP-2). It is closely related to TIMP-1 and shows the highest binding affinity to both the latent (pro) and active forms of 72 kDa Type IV collagenase (also known as MMP-2 or gelatinase A). It also has affinity for the active form of 92 kDa Type IV collagenase (also known as MMP-9 or gelatinase B). TIMP-2 inhibits the proteolytic invasiveness of tumor cells and normal placental trophoblast cells.
Purification:	Purified by Protein A/G

## Target Details

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Target:	TIMP2
Alternative Name:	TIMP2 ( <a href="#">TIMP2 Products</a> )
Molecular Weight:	21kDa
Gene ID:	7077
UniProt:	<a href="#">P16035</a>
Pathways:	<a href="#">cAMP Metabolic Process</a>

## Application Details

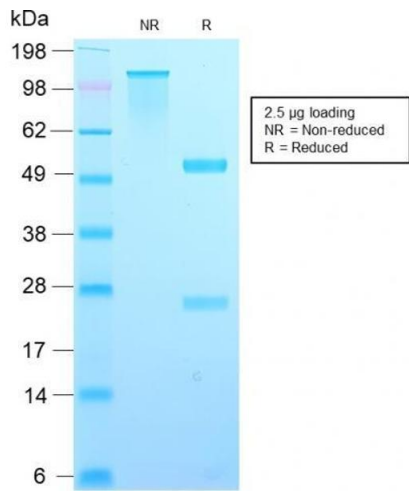
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Application Notes:	<p>Positive Control: HeLa cells. Normal Placenta. Breast, Colon, Endometrial, Prostate or Ovarian Carcinoma.</p> <p>Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.</p>
Restrictions:	For Research Use only

## Handling

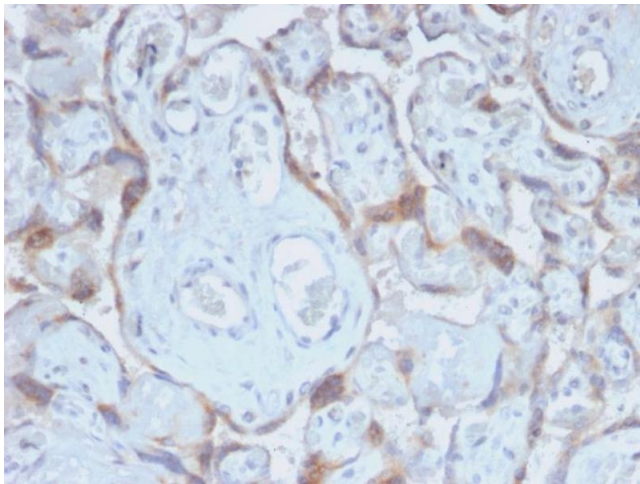
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Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



### SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified TIMP2 Rabbit Recombinant Monoclonal Antibody (TIMP2/2488R). Confirmation of Integrity and Purity of Antibody.



### Immunohistochemistry

**Image 2.** Formalin-fixed, paraffin-embedded human Placenta stained with TIMP2 Rabbit Recombinant Monoclonal Antibody (TIMP2/2488R).