

Datasheet for ABIN6940735
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, Zebrafish (Danio rerio), Cow, Rabbit, Guinea Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TIMP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Staining Methods (StM)

Product Details

Immunogen:	A synthetic peptide from the N-terminus of human TIMP2 protein (aa56-66) (DSGNDIYGNPI)
Clone:	3A4
Isotype:	IgG2a kappa
Specificity:	<p>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.</p>
Purification:	Purified by Protein A/G

Target Details

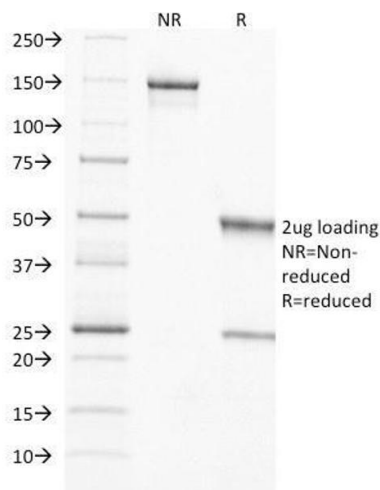
Target:	TIMP2
Alternative Name:	TIMP2 (TIMP2 Products)
Molecular Weight:	21kDa
Gene ID:	7077
UniProt:	P16035
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	<p>Positive Control: HeLa cells. Normal Placenta. Breast, Colon, Endometrial, Prostate or Ovarian Carcinoma.</p> <p>Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1 µg/mL), 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

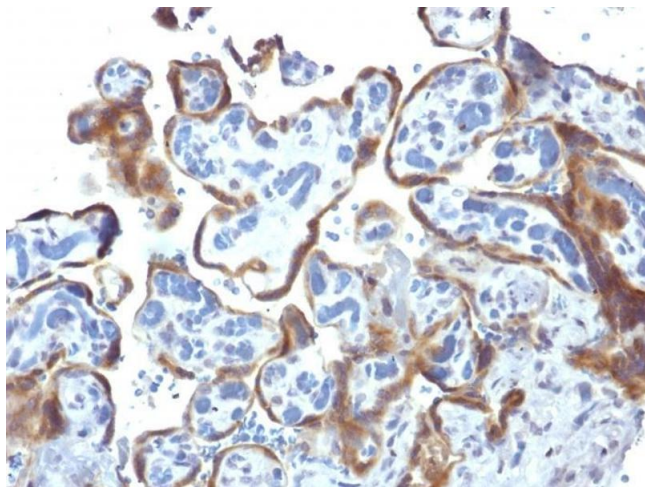
Handling

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 Mouse Monoclonal Antibody (3A4). Confirmation of Purity and Integrity of Antibody



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Placenta stained with TIMP2 Mouse Monoclonal Antibody (3A4)