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## anti-TIMP4 antibody (Middle Region)

3 Images

Overview

Target:



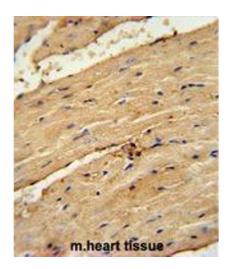
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Overview	
Quantity:	0.4 mL
Target:	TIMP4
Binding Specificity:	AA 55-82, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TIMP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	KLH conjugated synthetic peptide between 55-82 amino acids from the Central region of human TIMP4
Isotype:	lg Fraction
Specificity:	This antibody detects TIMP4 (Center).
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein A column followed by peptide affinity purification
Target Details	

TIMP4

### **Target Details**

raiget Details		
Alternative Name:	TIMP4 (TIMP4 Products)	
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. Synonyms: Metalloproteinase inhibitor 4, TIMP-4, Tissue inhibitor of metalloproteinases 4	
Gene ID:	7079	
NCBI Accession:	NP_003247	
Application Details		
Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	0.25 mg/mL	
Buffer:	PBS with 0.09 % (W/V) sodium 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.	
Handling Advice:	Avoid repeated freezing and thawing.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.	



Hela

55

36

28

17

m.brain

72

36

28 -

17

11

#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** TIMP4 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TIMP4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **Western Blotting**

**Image 2.** TIMP4 Antibody (Center) western blot analysis in Hela cell line lysates (35  $\mu$ g/lane). This demonstrates the TIMP4 antibody detected the TIMP4 protein (arrow).

#### **Western Blotting**

**Image 3.** TIMP4 Antibody (Center) western blot analysis in mouse brain tissue lysates (35  $\mu$ g/lane). This demonstrates the TIMP4 antibody detected the TIMP4 protein (arrow).