Data Sheet (Cat.No.TMAB-13554)

TargetMol

Anti-TIMP-2 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep)
Molecular Weight:	Theoretical: 24 kDa. Actual: 20-22 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Lane 1: Ovary (Rat) Lysate at 40 µg Lane 2: Testis (Rat) Lysate at 40 µg Primary: Anti-TIMP-2 (TMAB-13554) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 22 kD Observed band size: 22 kD 2. Sample: Lane 1: Testis (Mouse) Lysate at 40 µg Lane 2: Hippocampus (Mouse) Lysate at 40 µg Primary: Anti-TIMP-2 (TMAB-13554) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 22 kD Observed band size: 20 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human TIMP-2
Antigen Species:	Human
Gene ID:	7077
Uniprot ID:	P16035

Research Background

This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to

angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq, Jul 2008].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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