

Anti-TIMP-1 Antibody (7K734)

Product Details

Ig Type:	IgG2a
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	7K734
Purification:	Protein G purified

Applications

Verified Activity:	1. Western Blot
	-All lanes: Mouse anti-Human Timp1 monoclonal antibody at 1µg/ml
	-Lane 1: HepG-2 cell lysate
	-Predicted band size : 23 kDa
	-Observed band size : 23 kDa
	-Additional bands at:50KD
Verified Activity:	2. Western Blot
	-All lanes: Mouse anti-Human Timp1 monoclonal antibody at 1µg/ml
	-Lane 1: TIMP1 transfected pichia Yeast cell lysate
	-Predicted band size : 23 kDa
	-Observed band size:23 kDa
	3. Immunohistochemistry of paraffin-embedded human prostate cancer using TMAH-01175 at dilution of 1:100
Application:	ELISA,IHC,WB

Properties

Purity:	>95%
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Timp 1 Protein
Antigen Species:	Human
Gene ID:	7076
Uniprot ID:	P01033
Synonyms:	CLGI;TIMP-1;EPO;TIMP metalloproteinase inhibitor 1;HCl;EPA;TIMP
Biology Area:	Cardiovascular

Research Background

Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2,

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MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14. Also functions as a growth factor that regulates cell differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling. Mediates erythropoiesis in vitro; but, unlike IL3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481