

Anti-TIMP-1 Antibody (9P220)

Product Details

Ig Type:	IgG1
Reactivity:	Rat
Conjugation:	Unconjugated
Clone:	9P220
Purification:	Protein G purified

Applications

Verified Activity:	Immunohistochemistry of paraffin-embedded Rat prostate cancer using TMAH-01174 at dilution of 1:100.
Application:	ELISA, IHC

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: Rat Timp1
Antigen Species:	Rat
Gene ID:	116510
Uniprot ID:	P30120
Synonyms:	Timp1;Metalloproteinase inhibitor 1;Tissue inhibitor of metalloproteinases 1
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, 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. Also stimulates steroidogenesis by Leydig and ovarian granuloma cells; procathepsin L is required for maximal activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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