

Polyclonal Antibody to Tissue Inhibitors Of Metalloproteinase 1 (TIMP1)

Tissue Inhibitors Of Metalloproteinase 1

Catalog # AP74591

Product Information

Application	WB
Primary Accession	P81546
Reactivity	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22852

Additional Information

Gene ID	403816
Other Names	EPO; CLGI; EPA; HCI; Erythroid Potentiating Activity; Collagenase Inhibitor; Metalloproteinase inhibitor 1; Fibroblast collagenase inhibitor
Target/Specificity	Canis familiaris; Canine (Dog)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL Immunohistochemistry: 5-20 μ g/mL Immunocytochemistry: 5-20 μ g/mL Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	TIMP1
Function	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.
Cellular Location	Secreted.
Tissue Location	Ubiquitously expressed. Highest expression in kidney and ovary

Images

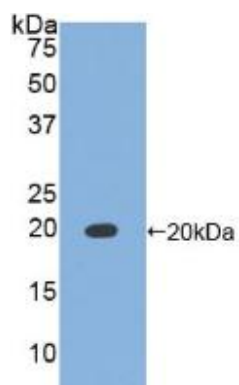


Figure. Western Blot; Sample: Recombinant TIMP1, Canine.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.