Metalloproteinase inhibitor 1 Polyclonal Antibody

Catalog No: #42350

Orders: order@signalwayantibody.com
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Description

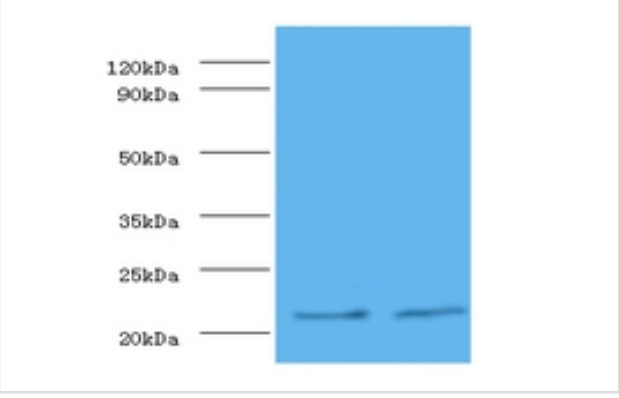
Product Name	Metalloproteinase inhibitor 1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Metalloproteinase inhibitor 1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Metalloproteinase inhibitor 1 protein
Target Name	Metalloproteinase inhibitor 1
Other Names	Erythroid-potentiating activity Fibroblast collagenase inhibitor Tissue inhibitor of metalloproteinases 1 TIMP1 CLGI, TIMP
Accession No.	Swiss-Prot#: P01033
Uniprot	P01033
GeneID	7076;
Calculated MW	23kd
Concentration	1.0mg/mL
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

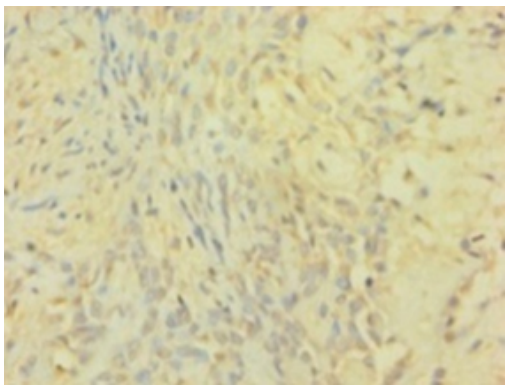
Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

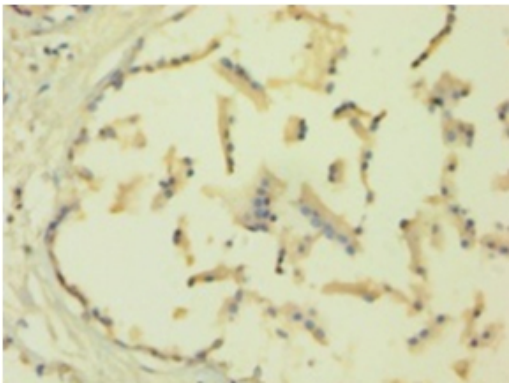
Images



All lanes:Metalloproteinase inhibitor 1 antibody at 2ug/ml
Lane 1:Jurkat whole cell lysate
Lane 2:MCF-7 whole cell lysate
secondary
Goat polyclonal to rabbit at 1/10000 dilution
predicted band size :23kDa
observed band size :23kDa



Immunohistochemical analysis of paraffin-embedded human breast cancer using #42350 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human plastate using #42350 at dilution of 1:100.

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. Mediates erythropoiesis in vitro; but, unlike IL3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors.

References

[1]Sequence of human tissue inhibitor of metalloproteinases and its identity to erythroid-potentiating activity.Docherty A.J.P., Lyons A., Smith B.J., Wright E.M., Stephens P.E., Harris T.J.R., Murphy G., Reynolds J.J.Nature 318:66-69(1985) [2] Molecula

Note: This product is for in vitro research use only