

Purified Rabbit Anti-rat PAI-1

Catalog Number: TP223

Lot Number: 051614

Content: Protein A purified rabbit IgG, 200 µg, with 0.1% sodium azide, lyophilized.

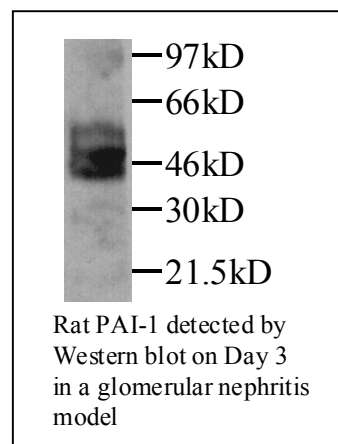
(Reconstitute to 1 mg/ml by adding 200 µl PBS)

Product Description and Usage: For research use only. This polyclonal antibody, which reacts with rat PAI-1, was generated using *E. coli*-expressed rat PAI-1 as an immunogen. The tested titer for Western blot is 1:1,000.

Cross-reactivity to PAI-1 of other species has not been determined.

Storage Condition: 4 C for short term storage or -20 C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: PAI-1 (plasminogen activator inhibitor-1) is originally cloned from human endothelial cell^{1,2} and rat hepatoma cell³ cDNA libraries. As a member of the serpin family of serine protease inhibitors, PAI-1 inhibits both tissue-type plasminogen activator (t-PA) and urokinase-type plasminogen activator (u-PA). High PAI-1 levels are associated with an increased risk of thromboembolic disease while PAI-1



deficiency may represent an inherited autosomal recessive bleeding disorder.

References:

1. Pannekoek, H. et al. (1986) Endothelial plasminogen activator inhibitor (PAI): a new member of the Serpin gene family. *EMBO J* 5:2539-2544
2. Ginsburg, D. et al. (1986) cDNA cloning of human plasminogen activator-inhibitor from endothelial cells. *J Clin Invest* 78:1673-1680
3. Zeheb, R. and Gelehrter, T.D. (1988) Cloning and sequencing of cDNA for the rat plasminogen activator inhibitor-1. *Gene* 73:459-468
4. Reilly, T.M. et al. (1994) Recombinant plasminogen activator inhibitor type 1: A review of structural, functional, and biological aspects. *Blood Coagul Fibrinolysis* 5:73-81

Torrey Pines Biolabs, Inc.
9073 Knight Road
Houston, TX 77054
email: tpbi@chemokine.com

Tel: (713) 383-8144
Toll-free: (866) 383-8144
Fax: (713) 383-8142
web: www.chemokine.com